PUBLIC HEALTH REPORTS.

VOL. XXVI. JUNE 30, 1911. No. 26.

AN ATTEMPT TO INFECT THE RHESUS MONKEY WITH BLOOD AND SPINAL FLUID FROM PELLAGRINS.

By JOHN F. ANDERSON, Director Hygienic Laboratory, and JOSEPH GOLDBERGER, Passed Assistant Surgeon.

[From the Hygienic Laboratory, Washington, D. C.]

In the literature of pellagra there is not, so far as we are aware, any record of an attempt to infect by inoculation any of the higher animals, such as monkeys, with the blood or tissues from pellagrins.

Sambon's theory of the transmission of pellagra by the buffalo gnat, or *Simulium reptans*, would seem to require that the infecting agent in pellagra be present in the blood at some stage of the disease. From this it follows that, if monkeys are susceptible, the inoculation of blood from cases of the disease should produce pellagra provided the blood was drawn at a time when the infectious agent was present therein.

During the summer of 1910 we had the opportunity of obtaining some blood from two well marked cases of pellagra and spinal fluid from one of them. The blood and spinal fluid were used for the inoculation of *Macacus rhesus* monkeys. The details of the experiments are given in the following protocols:

Case 1.—Female, G. M. This patient was a well-marked case of pellagra, showing the acute manifestations of the disease at the time the blood was taken. She was probably in her first attack. Her temperature at the time the blood was drawn was normal.

July 16 at 11 a. m. about 10 c. c. of blood was drawn from the arm vein, defibrinated, and used as follows:

Cultures were made in fermentation tubes, which remained sterile.

Monkey No. 1; female rhesus. At 12 noon 5 c. c. of the defibrinated blood from G. M. was inoculated intraperitoneally.

Monkey No. 2; female rhesus. To the fibrin and blood remaining in the flask, in which the blood was defibrinated, 5 c. c. of normal salt solution was added. The flask was well shaken and 7 c. c. of the fluid drawn off and inoculated intraperitoneally.

The temperature of both these animals was taken daily until October 21, 1910, when the taking of the temperature was discontinued; but the animals were kept under observation until about March 1, 1911.

On August 11, 1910, there was noted an apparent bronzing of the face and a pinkish tint of the neck and upper chest of monkey No. 1. This bronzing and tinting was noticed to be more distinct on some days and at times of day than at other times. It persisted for a long time without apparent increase. Nothing unusual was noted with monkey No. 2.

Case 2.—Female, Mrs. G. This patient was a well-marked case of pellagra, with a marked erythema of hands and elbows, and a roughened scaly forehead. The history was unsatisfactory, but the conclusion was reached that she was probably in her second or third attack. When blood and spinal fluid were taken the patient was in a low muttering delirium and her temperature was between 101.4° and 102.4° F.

On August 24, 1910, at 10.30 a. m., blood was drawn from the arm vein and defibrinated. Cultures were made and found to be sterile.

At 10.45 a. m. about 11 c. c. of spinal fluid was withdrawn. Cultures were made in fermentation tubes and found to be sterile.

Monkey No. 3; female rhesus. At 12.10 p. m. inoculated with 6 c. c. of the defibrinated blood intraperitoneally.

Monkey No. 4; male rhesus. At 12.05 p. m. inoculated with 6 c. c. of the defibrinated blood intraperitoneally.

Monkey No. 5; female rhesus. At 11.55 a. m. inoculated with 10 c. c. of the spinal fluid intraperitoneally.

Daily temperatures were taken of all three of the monkeys until October 21, 1910, when the taking of temperatures was discontinued. The observations, however, were continued until about March 1, 1911.

None of the monkeys presented anything worthy of note, except that it was thought about September 15 that monkey No. 3 showed a slight reddening of the skin in the region of the eyebrows. This, however, lasted only a few days.

During the entire time the monkeys were kept under observation they were in a well-lighted room and exposed to a certain amount of sunlight on bright days. Their food was that given the other monkeys in the laboratory, it not being considered advisable to make any change in their diet, as the question it was wished to determine by the inoculation of the fluids from the cases of pellagra was as to whether the blood or the spinal fluid from such cases, when inoculated into monkeys, was able to produce pellagra in these animals.

Summary.—The blood from two cases of pellagra and the spinal fluid from one of them were not infective for the rhesus monkeys.

Interpretation.—The foregoing result permits of several interpretations. Thus it may be (1) that the rhesus monkey is not susceptible to pellagra; or (2) if susceptible (*a*), that our technique in some respect was faulty or (*b*) that while the technique was adequate the infective agent was not present in the blood nor in the spinal fluid at that stage of the disease.

Extending this last interpretation, one may suspect that the infective agent in pellagra never resides in the blood or spinal fluid.

A final conclusion, however, is not justified.

We desire to extend our thanks to Drs. Edwin B. Behrend and J. D. Thomas for their courtesy in permitting us to study these two cases of pellagra.

A NOTE ON THE INOCULATION OF THE RHESUS MONKEY WITH BLOOD, SPINAL FLUID, AND NERVOUS TISSUE FROM PELLAGRINS.

By C. H. Lavinder, Passed Assistant Surgeon.

[From the Hygienic Laboratory, Washington, D. C.]

While pellagra, by the most earnest students of its etiology, has been, and still is, regarded as belonging to the class of food poisonings, allied to ergotism or beriberi, there are nevertheless not wanting those who have urged that the disease may be due to a parasitic microorganism.

Impressed with the lack of experimental work upon the higher animals, certain experiments, which are recorded below, were undertaken for the purpose of trying to determine whether pellagra might be transmitted to monkeys by the inoculation of certain body fluids or tissues taken from pellagrins. The animals used were nine young *Macacus rhesus* monkeys, all apparently in good condition.

Monkey No. 1. November 3, 1910, received intraperitoneally 7.5 c. c. of defibrinated blood drawn from an arm vein of A. L.

Monkey No. 2. November 3, 1910, received intraperitoneally 10 c. c. whole blood, drawn from an arm vein of M. R.

Monkey No. 3. November 3, 1910, received intraperitoneally 7 c. c. defibrinated blood, drawn from an arm vein of M. J.

Monkey No. 4. November 4, 1910, received intraperitoneally 10 c. c. clear spinal fluid, drawn from M. J.

Monkey No. 5. November 5, 1910, received intraperitoneally 3.5 c. c. slightly blood-tinged, spinal fluid, drawn from A. L.

Monkey No. 6. November 5, 1910, received intraperitoneally 10 c. c. very slightly cloudy, spinal fluid, drawn from D. W.

Monkey No. 7. November 8, 1910, received subdurally 0.5 c. c. of an emulsion of spinal cord, removed from the body of M. J. More properly speaking, the injection was made intracerebrally; the skull, after incising the skin, was punctured and the emulsion injected directly into the cerebrum. The emulsion was made by rubbing up a piece of the dorsal portion of the spinal cord in a small quantity of physiologic salt solution. The cord, removed very shortly after death, had been preserved in sterile glycerine for 28 hours when used.

Monkey No. 8. November 8, 1910, received subdurally (as above) 0.5 c. c. of the same emulsion as monkey No. 7, and at the same time intraperitoneally 3 c. c. of the same emulsion.

Monkey No. 9. November 8. 1910, received subdurally (as above) 0.5 c. c. of an emulsion of a piece of the same dorsal cord as used in monkeys Nos. 7 and 8, made in the same way, but this piece of cord had been preserved, when used, for 28 hours in equal parts of sterile glycerine and physiologic salt solution.

Glucose bouillon fermentation tubes were inoculated from the emulsion used in monkeys Nos. 7, 8, and 9 at the time the injections were made. The piece of cord preserved in glycerine gave a growth of what appeared to be an ordinary *staphylococcus;* subcultures on agar and bouillon confirmed this. The tubes inoculated from the emulsion of the cord preserved in equal parts of glycerine and salt solution remained sterile.

The cases from which the blood and spinal fluid were secured were all marked cases of pellagra displaying all the acute phenomena of the disease, including marked erythemas of both the "wet" and "dry" forms. All were alienated and had probably suffered from the disease for some months or longer. The case from which the pieces of spinal cord were derived had terminated, presenting a typical picture of so-called typhoid pellagra.

The monkeys were kept in small wire cages on the ordinary laboratory diet, and care was taken that at least some of the cages should be exposed daily to as much direct sunlight as possible. Temperatures of all monkeys were taken daily for several weeks, and they have now been kept under observation for about six months. Not one of them has displayed any change worthy of note.

Grateful acknowledgment is due Dr. J. W. Babcock for permission to make use of material and for generous assistance, and to Dr. E. B. Saunders also for valuable assistance.

CEREBROSPINAL MENINGITIS IN GREECE.

Report by T. J. Feltsos, Acting Assistant Surgeon, United States Public Health and Marine-Hospital Service, Athens, Greece.

Pursuant to Bureau instructions of April 20, 1911, in connection with the prevalence of cerebrospinal meningitis in Greece, I have collected the following on the subject:

HISTORY OF THE DISEASE.

In a treatise published by Dr. Savas, professor of hygiene and microbiology in the University of Athens, it is shown that the disease first made its appearance in Greece in 1843. From that year to 1868 a number of cases occurred at different periods in various districts, but the first epidemic was marked during the winter of 1868–9, when a large number of cases occurred. After that the disease gradually disappeared, a few sporadic cases only occurring from time to time. Since the year 1881, however, the disease has been epidemic, particularly during the winter and spring.

EPIDEMIC OF 1910–11.

The present epidemic first broke out in Athens toward the end of November, 1910, and little by little spread throughout the whole of Greece. It attained its maximum force during February. It then began gradually to subside and has continued to decline to the present date. A few cases now occur from time to time in Athens and Piraeus and in some of the districts near Athens, as Megara, Levadia, Lamia, also in the Province of Thessaly. The disease has practically disappeared from the Peloponnesus, no case having been heard of there for about a month with the exception of the village of Mavrovouni near Calamata and the Province of Triphyllia, where cases of the disease have been reported recently.

The large number of cases this year has been attributed to the exceptionally severe winter. Toward the end of March, following a change of the weather to mild, the disease had to a certain extent

subsided, when it suddenly and inexplicably returned as virulent as ever. Then it again commenced to subside gradually.

The Government board of public health issued a circular of instructions relative to measures for preventing the spread of the disease and the disinfection of the houses and clothing of the patients.

The only general measure which was taken throughout Greece was the closing of the schools.

The number of cases of cerebrospinal meningitis officially reported in Athens is 400. However, physicians are not obliged to report cases under their care, so that it is possible there was a greater number.

The case mortality rate before the use of serum was about 58–60 per cent. It is now reduced to 20–22 per cent in the Hospital Evanghelismos, according to information given by the director, Dr. A. Christomanos, and to 16–18 per cent in the town. Deaths from the disease were reported in Athens as follows:

December, 1910, 18 deaths; January, 1911, 26; February, 49; March, 39; April, 35; May 1–12, 11.

NOTE.—The dates named are for the Julian or old style calendar and are in each case 13 days earlier than the same date for the calendar in ordinary use.

UNITED STATES.

MUNICIPAL ORDINANCES, RULES, AND REGULATIONS PERTAINING TO PUBLIC HYGIENE.

[Adopted since Jan. 1, 1910.]

TAMPA, FLA.

MILK—REGULATION OF PRODUCTION, CARE, AND SALE—APPOINTMENT OF PURE-FOOD, MEAT, MILK, AND DAIRY INSPECTOR AND ASSISTANTS.

SECTION 1. The mayor of the city of Tampa shall appoint, and the city council confirm, some suitable person, who shall have had some experience and training in this capacity, as pure food, meat, milk, and dairy inspector, who shall hold office for a period of two years, or until his successor is appointed.

SEC. 2. It shall be the duty of the pure-food, meat, milk, and dairy inspector to see that all the laws and ordinances of the city relating to the inspection of meats, fruit and vegetables, milk, and food offered for sale are carried out. He shall be particularly charged with the duty of enforcing the laws of the city relating to dairies, adulterated foods, and slaughterhouses, and he shall perform all the duties required of him by the laws and ordinances of the said city.

SEC. 3. He shall make monthly written reports to the mayor and the city council of the work done in his department.

SEC. 4. The mayor shall appoint, and the city council confirm, from time to time as may be required, assistants to the pure-food, meat, milk, and dairy inspector, who shall receive such compensation as may be fixed by the city council.

SEC. 5. Each person, firm, or corporation desiring to sell or in any manner to dispose of milk within the city of Tampa shall, before engaging in such business, make application to the office of the pure-food, meat, milk, and dairy inspector for a permit for that purpose, and shall furnish him with a certificate in writing of the number of cows owned or used by him or it in the production of such milk or butter, and the location of the barns, sheds, and stalls in which said cows are fed and milked. And it shall be the duty of the said inspector thereupon to inspect the barns, sheds, stalls, and premises in which said cows are kept, fed, and milked, and to examine, inspect, and test said cows for disease, and if it be ascertained by the said inspector or his assistants that said barns, sheds, and stalls are kept properly constructed and kept as hereinafter provided, and that the said cows are free from injury and disease, as hereinafter provided, it shall be the duty of the said inspector to issue a permit to the applicant to sell milk in the city, for which permit no charge shall be made. Said applicant shall immediately notify the inspector in writing when any additional cows are added to his herd.

SEC. 6. Each person, firm, or corporation who desires to sell or dispose of any milk in any way in the city of Tampa, where said milk is not produced from cows owned or used by him or it, shall before engaging in such business make application at the office of the pure food, meat, milk, and dairy inspector for a permit for that purpose, and shall furnish him with a certificate in writing from a qualified veterinarian, sworn to and subscribed before any person qualified to administer oaths, said certificate showing that said cows producing said milk are free from all injury or disease that would affect the milk, especially any diseases that are communicable to man or produce elevation of systematic temperature, such as tuberculosis (determined by tuberculin test), anthrax, Texas fever, pneumonia, parturient apoplexy (milk fever), malignant catarrh, and all such diseases; and that the veterinarian has examined, entered, and inspected the dairy from which said milk is supplied, and that, in his opinion, the barns, sheds, and stalls in which each cow of the said dairy is fed and milked are properly ventilated, drained, lighted, and cleaned, and that in the

dwelling house or houses of the said premise or premises, who milk said cows or prepare said milk for market there is no typhoid fever or other disease that is likely to be communicated to persons using said milk. In addition to such certificate such person, firm, or corporation shall be required to file with said inspector an affidavit made before any person authorized to administer oaths that to the best of his knowledge, information, and belief the certificate of the veterinarian furnished applies to all cows furnishing milk which is sold or disposed of by said person, firm, or corporation, and it shall be the duty of the pure food, meat, milk, and dairy inspector thereupon to issue the said person, firm, or corporation a permit for the sale of milk within the said city of Tampa, for which permit no charge shall be made.

SEC. 7. If at any time any person, firm, or corporation, who has obtained a permit under the next preceding section desires to sell or otherwise dispose of any milk produced from cows whether included in the affidavit furnished, or not, which are not kept on the premises described in the affidavit furnished, it shall be the duty of the said person, firm, or corporation to furnish an affidavit and certificate as outlined in the next preceding section, covering said cows and said premises before selling or disposing of any of the said milk in the city: *Provided, however*, That the sixth and seventh sections of this ordinance shall not apply to any person, firm, or corporation who is acting simply and solely as the salesman or agent of any person, firm, or corporation who has obtained a permit under the fifth section of this ordinance: *Provided, further*, That when any person, firm, or corporation deals in milk sold or disposed of in any way to him or it, by any person, firm, or corporation who has obtained a permit under the fifth section of this ordinance as to such milk, a copy of such permit may be presented to the pure food, meat, milk, and dairy inspector, and shall be by him accepted in lieu of the veterinarian's certificate required by this ordinance.

SEC. 8. An affidavit of any duly authorized agent of any corporation shall be a sufficient affidavit for the corporation under the provisions of this ordinance. If an affidavit is to be made by a firm, the same shall be made by a member of the firm.

SEC. 9. Any person, firm, or corporation who has obtained a permit under the sixth and seventh sections of this ordinance, or either of them, must obtain additional, new, or fresh certificate or certificates of veterinarian, or affidavit or affidavits at any time on demand of the pure food, meat, milk, and dairy inspector, and upon failure within 10 days after demand in writing from the said inspector to obtain and furnish to him said certificate or certificates and affidavits, any or all, the permit provided for in this ordinance shall be ipso facto forfeited.

SEC. 10. Any person, firm, or corporation who sells or otherwise disposes of milk in this city without a permit shall for each separate offense be fined not more than $100, and may be imprisoned not exceeding 90 days, one or both

SEC. 11. The permit provided for in this ordinance shall not entitle any person, firm, or corporation to sell or otherwise dispose of milk in the city without a license, but no license shall be issued to carry on such business, except upon the production of such permit as well as to pay said license fee. The issuance of the permit by the pure food, meat, milk, and dairy inspector shall not create a vested right to do business in the city. The city council hereby reserves the right to renounce the same at any time upon failure or neglect of the party obtaining the same to comply with the terms, provisions, and requirements of this ordinance. Regulations shall be made from time to time as may be deemed advisable by the inspector, who shall report the result of such regulations to the mayor and city council.

SEC. 12. Any person, firm, or corporation who knowingly sells or disposes of milk in any way in the city of Tampa produced from cows not included in the permit as provided for in this ordinance, or from cows whether so included or not, which are not kept, fed, and milked in barns, sheds, or stalls, or premises included in a permit, as provided for in this ordinance, shall be punished as hereinafter provided.

SEC. 13. No person, firm, or corporation shall sell, barter, or offer for sale or barter within the city or the police jurisdiction thereof, any milk which contains more than 87.5 per cent of water, or less than 3.5 per cent of butter fat, and the specific gravity of which at 60° F. shall be between 1.029 and 1.033; all milk of lower grade and quality than specified by this section shall be taken and condemned as adulterated and impure by the pure food, meat, milk, and dairy inspector or his assistants, and the vendor thereof punished as hereinafter provided.

SEC. 14. It shall be unlawful for any person, firm, or corporation, or their servants or agents to sell, exchange, or to have in his or its possession or custody, with the intention to sell or exchange, or expose or offer for sale as pure milk any milk from which the cream or any part thereof has been removed, and all such milk from which the cream or any part thereof has been removed shall be plainly labeled and marked "skimmed milk." Any person or firm or corporation violating the provisions of this section shall be punished as hereinafter provided.

SEC. 15. No person, firm, or corporation shall sell, barter, or offer for sale or barter within the city or within the police jurisdiction thereof, any cream which contains less than 18 per cent of butter fat, and all cream of lower grade and quality than that specified in this section shall be taken and condemned as adulterated and impure by the pure food, meat, milk, and dairy inspector or his assistants, and the vendor thereof punished as hereinafter provided.

SEC. 16. It shall be unlawful to sell or barter, or offer for sale or barter within the city or police jurisdiction thereof any butter which is not made from pure milk or cream; the same shall be free from all chemicals or adulterations and shall comply in all respects with the requirements of the pure-food laws of the State of Florida, and of the United States of America, and any violation of this section shall be punished as hereinafter provided.

SEC. 17. Skimmed milk or separated milk that is sold, bartered, or offered for sale or barter within the city or police jurisdiction thereof by any person, firm, or corporation shall contain not less than 9 per cent of milk solids exclusive of butter fat and shall be plainly labeled "skimmed milk," and all buttermilk shall contain not less than 8.5 per cent of milk solids exclusive of butter fat, and all such milk of lower grade and quality than specified in this section shall be taken and condemned as adulterated and impure by the pure food, meat, milk, and dairy inspector or his assistants, and the vendor punished as hereinafter provided.

SEC. 18. It shall be unlawful to add to milk intended for sale or barter in the city or within the police jurisdiction thereof any chalk, borax, salicylate of soda, ice, water, or other substance or fluid, and it shall be unlawful to sell or barter or offer for sale or barter any milk which has been added to or adulterated as aforesaid, or any impure, adulterated, or unwholesome milk. Any violation of this section shall be punished as hereinafter provided.

SEC. 19. All milk which has been added to or adulterated in any manner as described in the next preceding section shall be taken and condemned as adulterated and impure and the vendor thereof punished as hereinafter provided.

SEC. 20. No person, firm, or corporation shall sell or in any manner dispose of milk or cream in the city produced from cows which are not used from a dairy situated in Hillsboro County, Fla., unless said cows have been tested by a qualified veterinarian with tuberculin for tuberculosis, and a certificate of such fact sworn to before some person authorized to administer oaths has been furnished the inspector; and it shall be unlawful for any person, firm, or corporation to sell or in any manner dispose of milk produced from any cow not so tested. Any violation of this section shall be punished as hereinafter provided.

SEC. 21. The inspector or assistant inspectors shall have the right at any time to enter, examine, and inspect any dairy situated in Hillsboro County, Fla., the owner of which sells or in any manner disposes of milk in the city of Tampa, and to examine, inspect, and test for disease any cow connected with or belonging to the owner or proprietor of such dairy. For any interference with or hindrance of the said inspector or assistants by the owner, proprietor, or his agents the permit provided for by this ordinance shall be, upon the conviction of such owner, proprietor, or agent, for such offense, ipso facto forfeited; any person so hindering or preventing the pure-food, meat, milk, and dairy inspector or his assistants shall be punished as hereinafter provided.

SEC. 22. Cows which produce milk for the Tampa market shall be free from all injury and diseases which would affect the milk, especially all diseases which are communicable to man or produce elevation of systematic temperature, such as tuberculosis, anthrax, Texas fever, pneumonia, parturient apoplexy (milk fever), malignant catarrh, and all such diseases, and it shall be unlawful to sell, barter, or offer for sale or barter milk in the city of Tampa or within the police jurisdiction thereof, from any cows which are not free from all such injury or disease, and any violation of this section shall be punished as hereinafter provided.

SEC. 23. No milk shall be used from a dairy situated in the county of Hillsboro, the owner of which sells or in any manner disposes of milk in the city of Tampa, unless said cows have been tested by the pure food, meat, milk, and dairy inspector or his assistants with tuberculin for tuberculosis. All dairy cows so tested shall be marked in the ear with a tag bearing a serial number and "Tampa, Fla.," and such cow may be retested as aforesaid as the inspector may deem it necessary. And it shall be unlawful to sell or in any manner dispose of milk in the city from any cows which have not been so tested. The owner of said cow or cows so inspected for tuberculosis shall pay the said inspector the sum of $3 for the first cow inspected and 25 cents for each additional cow so inspected, which said sum shall be paid at the time of inspection. Any violation of this section shall be punished as hereinafter provided.

SEC. 24. The pure food, meat, milk, and dairy inspector, or his assistants, shall have the right to enter, examine, and inspect any place within the city of Tampa, or within the police jurisdiction thereof, where milk is sold, bartered, or offered for sale or bartered, and to inspect and examine, at any time and at any place, any of the said milk. For any interference with or hindrance of the said inspector, or his assistants, by the owner or proprietor, or his agent, the permit provided for in this ordinance shall be revoked, and any person so hindering or preventing the said inspector or his assistants shall be punished as hereinafter provided.

SEC. 25. Dairy cows producing milk for the Tampa market shall not be fed distillery waste, "swill," or any substance in a state of putrefaction or rottenness, or any other substance that is unwholesome or that will in any way affect the healthfulness of the milk; and any person, firm, or corporation who sells milk in the city of Tampa or within the police jurisdiction thereof produced from cows that are fed on distillery waste, or any substance in a state of putrefaction, or containing any substance that is unwholesome, or that will in any way affect the healthfulness of the milk shall be punished as hereinafter provided.

SEC. 26. Each cow used in the production of milk for sale or disposal in the city of Tampa and kept in Hillsboro County, shall be allowed free movement in the open air at least 6 hours each day. The barns, sheds, stalls, and premises in which the cows are fed and milked shall be properly ventilated, lighted, drained, and cleaned, all of which shall be subject to inspection by the pure food, meat, milk, and dairy inspector or his assistants. And any person, firm, or corporation selling, bartering, or offering for sale or barter, milk produced from cows kept in violation of the provisions of this ordinance shall be punished as hereinafter provided.

SEC. 27. If any owner of a dairy situated in Hillsboro County, who sells or in any manner disposes of milk in the city, upon the written demand of the pure food, meat, milk, and dairy inspector fails to properly ventilate, light, drain, or clean, within 10 days, any barn, shed, stalls, or premises in which any cow used for the production of milk for sale or barter is fed and milked, the permit provided for in this ordinance, as well as the license to do business, is ipso facto forfeited.

SEC. 28. If, upon inspection of the pure-food, meat, milk, and dairy inspector or his assistants, as provided for in this ordinance, it is ascertained that any milk cow kept or owned or used in any dairy or on the premises of any dairyman who sells or otherwise disposes of milk within the city has the disease of tuberculosis, it shall be the duty of the said inspector or his assistants to notify the owner of this fact; provided, that the owner of any cow so found by the inspector to have the disease of tuberculosis shall have the right to call a competent veterinarian, who together with the said inspector shall select a third person, and the three shall reexamine said cow or cows, and if a majority of those examining find that the said cow or cows are so diseased the same shall be disposed of as hereinafter provided, and should a majority not so find that said cow or cows are so diseased they shall not be so disposed of.

SEC. 29. It shall be the duty of the owner upon receiving notice from the inspector that any cow belonging to him and used in a dairy or kept on his premises is diseased with tuberculosis to immediately remove the said cow from said premises, or to kill or otherwise dispose of her.

SEC. 30. If any owner of a dairy fails to remove, kill, or otherwise dispose of a tuberculous cow on receipt of notice from the pure food, meat, milk, and dairy inspector, or his assistants, as provided for in this ordinance, and, after receiving said notice, sells within the corporate limits of the city of Tampa any milk or butter produced from cows owned or used by him, which are fed or milked in any of the barns, sheds, or stalls in which said tuberculous cow is kept, or which are kept on the premises with any tuberculous cow, he shall be punished as hereinafter provided.

SEC. 31. Upon disposing of any diseased cow, as required by this ordinance, the owner shall at once notify the inspector in writing what disposition has been made of the said cow; any violation of this section shall be punished as hereinafter provided.

SEC. 32. Each wagon used in the delivery of milk shall have the name of the owner or proprietor, and the number of the permit under which the business is conducted, painted thereon in prominent letters. All such wagons shall be provided with covers and shall be neat and clean, the interior of such wagons being scrubbed with soap and hot water at least twice per week. The wagons shall be kept neatly painted. No vegetable or waste products shall at any time be hauled in any wagon used for the transportation of milk.

SEC. 33. Dairymen who wish to put a milk of exceptional excellence on the market may be allowed to use the words "certified milk" on their labels, provided that they shall receive from the inspector and the city board of health a certificate of the unusual excellence of said milk, and the inspector shall upon request give such certificate if the conditions respecting such milk hereinafter specified are found to exist. But under

no other circumstances shall such or any other labels likely to mislead the purchaser appear on packages containing milk. All milk sold as sterilized milk shall at all times prove to be such, and dealers purporting to sell sterilized milk shall be suspended from business should their milk be proven not to be sterile. Certified milk shall not contain over 20,000 bacteria per cubic centimeter, and shall at no time contain pathogenic germs; it shall contain 4 per cent of butter fat and other customary ingredients in proportion; it shall not be delivered to customers at a higher temperature than 50° F., and shall always be delivered in sealed packages, and so sealed with a special seal labeled "certified milk." Barn and milk house shall be provided with cement floor or floors of sound heart boards, laid so as to be water tight, and there shall be arrangements of water under pressure to flush said barn and milk house. There shall also be arrangements for steam sterilization of all cans and bottles.

Dealers in certified milk shall be governed by the general rules laid down in preceding sections of this ordinance.

SEC. 34. All applications for license to establish and conduct a dairy depot shall be approved by the pure-food, meat, milk, and dairy inspector before such license is issued.

Any person, firm, or corporation conducting a dairy depot, restaurant, or other place in which milk is sold or otherwise disposed of in this city shall at all times maintain such place or premises in a strictly sanitary condition, such places to be open for inspection at all times during business hours. All ice boxes and refrigerators in which milk is kept shall be kept in a sanitary condition, being scrubbed at least once in each week, said boxes to be drained according to the direction of the inspector. There shall be no closets, hog pens, or quarters for other animals or fowls closer than 100 feet from such dairy depot or place where milk is sold: *Provided*, That this shall not apply to a water-closet properly connected with the city sewerage system, and maintained in a clean, sanitary condition.

Any person conducting a dairy depot or restaurant, or other place in which milk is sold or otherwise disposed of in the city, shall report within 24 hours to the city health officer any illness of any kind whatsoever occurring in his family or among his employees or any person connected with his business in any way, giving name and address of the attending physician. The city health officer shall have the power to suspend temporarily the business of any such place if he deems such action necessary to protect the public health against infection from such case of illness. Milk and cream disposed of in such place shall come up to the standard set forth in the sections of this ordinance.

SEC. 35. In addition to the rules and regulations hereinbefore set out, all persons selling or offering to sell milk in the city, or the police jurisdiction thereof, shall observe and comply with the following requirements:

First. No milk shall be delivered to customers or at any milk depot at a higher temperature than 65° F.

Second. No milk shall be bottled except at a dairy or properly equipped dairy depot, and measures for milk and all milk receptacles shall be kept when not in use in such manner as to be protected from dirt and flies.

Third. No milk shall be strained in a barn or in any other place where the milk will be liable to become contaminated.

Fourth. Every dairy shall be provided with an aerator of approved type, over which milk shall be poured as it is strained, said aerator to be filled with cold water or ice.

Fifth. Dairy cattle shall be prohibited from running on pastures that contain streams, ponds, or other water that shall be found to be contaminated with sewage.

Sixth. Every cow shall have the teats and udder well cleaned before each milking, and all milkers shall wear at each milking overalls or clothing that are clean; each milker shall clean his or her hands thoroughly with soap and water immediately before milking.

Seventh. No milk shall be sold which contains more than 500,000 bacteria per cubic centimeter, and dairy or dairymen whose milk shall be found continually contaminated with pathogenic germs shall be suspended from selling milk in the city, and shall not be allowed to again put his milk on the market until he has procured permission to do so from the pure food, meat, milk, and dairy inspector.

Eighth. Every dairy shall report within 24 hours to the city health officer any case of illness occurring among his family, employees, or any other person connected in any way with his business, giving name of the attending physician. The city health officer shall be empowered to suspend temporarily the business of such dairy, if he thinks such measures necessary to protect the public health, owing to the danger of such infection from such existing illness.

Ninth. All dairy barns shall be properly floored with cement or sound-heart boards, water-tight, and the interior of every barn shall be given a coat of whitewash within 60 days after the passage of this ordinance and in the month of May of each year thereafter.

Tenth. No closets, hog pens, or quarters for other animals or fowls other than a dairy herd shall be allowed closer than 100 feet to such dairy barn, excepting, however, stalls for horses and mules, provided same are separated from dairy barn to the satisfaction of the inspector and are kept in a clean condition.

Eleventh. Every dairyman shall be required to keep his barn adjacent to his lot free from manure, droppings from the cows being gathered once daily, piled in an inclosure not closer than 100 feet to the dairy barn, milk house, or source of water supply, and said lot shall also be kept free from stagnant water and all other objectionable material. All fresh manure placed on the compost heap to be properly limed. All wells, springs, or cisterns supplying water shall be so constructed or situated as to satisfy the inspector it is reasonably free from any source of possible infection.

Twelfth. Each dairy shall be provided with a properly constructed milk house, provided with wire screens for doors and windows and ample arrangements for heating water. Each milk house shall be constructed in such manner that the floors and walls shall be easily cleaned, and shall be kept neat and clean and shall not be used for any other purpose than handling milk or milk products; the said milk house shall have a properly-constructed sink, at which bottles, cans, and other utensils used in handling milk may be washed, and shall be provided with a drain pipe carrying all waste water at least 100 feet from the milk house, water supply, and barn. Said milk house shall be at least 10 feet from any cow stall or stable.

Sec. 36. All milk shall be delivered to customers, other than to milk depots, in bottles, or proper milk receptacles, and shall be bottled or canned before leaving the dairy, and shall be delivered in the bottle or can in which originally placed at the dairy.

Sec. 37. The salary of the pure food, meat, milk, and dairy inspector shall be $100 per month, and the salary of all assistant inspectors shall be $75 per month.

Sec. 38. All persons, firms, or corporations owing more than one cow, who sell or barter, or offer for sale or barter any milk within the city shall under the provision of this ordinance be considered a dairy, and subject to all the provisions thereof: *Provided*, That this ordinance shall not apply to widows dependent upon their own exertions for a living, who do not keep more than three cows: *Provided, however*, That section 23 of this ordinance shall apply to every cow from which milk is sold in the city.

Sec. 39. No milk cow shall be sold or offered for sale within the city limits of the city of Tampa or be brought within or to be used within the city limits of the city of Tampa, as a milk cow, until said cow or cows have been inspected by the pure food, meat, milk, and dairy inspector, as provided for in this ordinance, and the vendor of any such cow or cows shall furnish said certificate with each cow sold.

Sec. 40. It shall be the duty of the pure-food, meat, milk, and dairy inspector to report to the chief of police of the city of Tampa any milk bottles or receptacles found in the possession of any person or persons other than the owner or agent of the owner of the said bottles or receptacles.

Sec. 41. It shall be unlawful for any person, firm, or corporation who sells or delivers milk in bottles in the city of Tampa, to remove or accept such milk bottles from the person to whom or the premises where delivered, where there is any case of infectious disease on said premises. All such bottles shall be disinfected under the personal supervision of some health official of the city. All persons receiving milk on any such premises shall furnish proper receptacles for said dairyman into which the milk shall be poured from the original bottle.

Sec. 42. The person or persons in charge or control of such premises shall be responsible for such infection, and it shall be his or her duty to communicate the presence of such bottles to the city health officer or some other health official.

Sec. 43. The pure food, meat, milk and dairy inspector shall, before entering upon his duties, give a good and sufficient bond to the city of Tampa in the sum of $1,000 for the faithful performance of his duties. Every assistant inspector shall enter into a good and sufficient bond to the city of Tampa in the sum of $500 for the faithful performance of his duties. The said inspector and each assistant shall deposit with the city treasurer at the end of each month all funds or moneys collected by them or either of them under the provision of this ordinance.

Sec. 44. The following sections of the code of the city of Tampa be, and the same are hereby, repealed, viz: Sections 192 to 195, inclusive, 200 to 207, inclusive, 209 and 211, and the following sections of the code shall be and remain in full force and effect, viz: 190, 191, 196, 197, 198, 199, 208, 210, and 212.

Sec. 45. Each violation of or failure to comply with any provisions of this ordinance shall be punished by a fine of not more than $200 or by imprisonment for a term not exceeding 90 days, one or both. [Ordinance approved Sept. 9, 1910.]

LEPROSY IN THE UNITED STATES.

FLORIDA.

Dr. J. Y. Porter, State health officer, reports that during the week ended June 10, 2 cases of leprosy were reported in the State of Florida, one at Jacksonville and one at Key West.

KANSAS.

Dr. S. J. Crumbine, secretary of the Kansas State Board of Health, reported on June 19 that a case of leprosy had been discovered in Sedgwick County, Kans., in the person of an alien who had lived in this country for about two years as a railroad laborer. The patient is a native of Mexico. His family history is negative. The disease is characterized by nodules distributed over the body. The nails of the right hand show trophic disturbances. The nodules are prominent on the face and in the mouth, especially over the hard palate. The feet have perforating ulcers at the base of the toes. The patient is well enough to do light work except for the soreness of the feet. Microscopical examination showed lepra bacilli in excised nodules.

CHOLERA.

Cholera and Cholera Carrier at Quarantine.

Dr. A. H. Doty, health officer of the port of New York, reported June 24 that a case of cholera developed June 23 among the detained passengers of the steamship *Duca degli Abbruzzi*, which arrived at New York June 20.

Dr. Doty further reported on the same date that a passenger removed from the steamship *Laura* had been found to be unquestionably a cholera carrier. The patient had embarked at Patras, Greece.

NOTE.—In this connection the American consul general at Athens states that no cholera is reported present in Greece. The *Laura* sailed June 5 from Patras for Palermo and from that port June 7 for New York.

Reports Received from June 14 to June 30, 1911.

Place.	Date.	Cases.	Deaths.	Remarks.
New York:				
New York quarantine	June 14-23	6	.....	One case June 14 from s. s. Europa from Naples, five cases June 20-23 from s. s. Duca degli Abbruzzi from Genoa, Naples, and Madeira.

MEASURES AGAINST IMPORTATION OF CHOLERA.

Cholera is reported present in Naples and Palermo. The United States quarantine regulations are being enforced by medical officers of the service at both ports. In addition, Surg. Eager has been detailed for duty at Palermo, sailing from New York June 20.

The following instructions were wired June 21 to the quarantine officers on the Atlantic and Gulf coasts:

Careful inspection necessary, particularly for atypical cases or bacillus carriers and concealed food, persons and baggage.

On the same date the following instructions were wired to officers engaged in the medical inspection of arriving aliens under the immigration laws at Quebec, Boston, New York, Philadelphia, and Baltimore:

Notwithstanding quarantine inspection, you are directed to give special care to immigrants as they pass your line, to detect any possible case of bacillus carrier or atypical case cholera which may have escaped quarantine inspection. Pay especial attention to concealed food, which is forbidden by quarantine regulations. Acknowledge by mail.

PLAGUE-PREVENTION WORK.

INFECTED GROUND SQUIRRELS.

During the week ended June 10, 1911, the finding of plague-infected ground squirrels was reported as follows: In Merced County, Cal., June 1, at Haloway ranch, 4 miles south of Los Banos, 1 squirrel; in San Benito County, Cal., June 8, at J. Cornwell ranch, 3 miles southwest of San Benito, 1 squirrel; and in Stanislaus County, Cal., May 31, at Gomez ranch, 7½ miles southwest of Crows Landing, 1 squirrel, and June 2, at Bank of California ranch, 9½ miles southwest of Crows Landing, 1 squirrel.

DISTRIBUTION OF POISON.

In connection with the making of a squirrel-free zone around the cities of California on San Francisco Bay, 580 acres of land in Alameda County were covered with poison during the week ended June 10, 1911.

Record of Plague Infection.

Places.	Date of last case of human plague.	Date of last case of rat plague.	Date of last case of squirrel plague.	Total number of rodents found infected since May, 1907.
California:				
Cities—				
San Francisco	Jan. 30, 1908	Oct. 23, 1908	None	398 rats.
Oakland	Oct. 26, 1909	Dec. 1, 1908	do	126 rats.
Berkeley	Aug. 28, 1907	None	do	None.
Los Angeles	Aug. 11, 1908	do	Aug. 21, 1908	1 squirrel.
Counties—				
Alameda (exclusive of Oakland and Berkeley).	Sept. 26, 1909	Wood rat, Oct. 17, 1909.	May 24, 1911	103 squirrels; 1 wood rat.
Contra Costa	July 21, 1908	None	Apr. 3, 1911	248 squirrels.
Merced	None	do	June 1, 1911	4 squirrels.
Monterey	do	do	June 6, 1910	Do.
San Benito	June 5, 1910	do	June 8, 1911	21 squirrels.
San Joaquin	None	do	May 17, 1911	15 squirrels.
San Luis Obispo	do	do	Jan. 29, 1910	1 squirrel.
Santa Clara	Aug. 23, 1910	do	Oct. 5, 1910	23 squirrels.
Santa Cruz	None	do	May 17, 1910	3 squirrels.
Stanislaus	do	do	June 2, 1911	13 squirrels.
Washington:				
Cities—				
Seattle	Oct. 30, 1907	Feb. 8, 1910	None	22 rats.

Rats Collected and Examined for Plague Infection.

Places.	Week ended—	Found dead.	Total collected.	Examined.	Found infected.
California:					
Cities—					
Berkeley	May 27		[1] 150	111	
Oakland	do	44	[2] 686	527	
San Francisco	do	29	[3] 1,652	1,123	
Counties—					
Madera	do		[4] 8	8	
Washington:					
Cities—					
Seattle	do		819	704	
Total		73	3,315	1,769	

[1] Identified, *Mus norvegicus* 121, *Mus musculus* 29.
[2] Identified, *Mus norvegicus* 630, *Mus musculus* 55, *Mus rattus* 1.
[3] Identified, *Mus norvegicus* 1003, *Mus musculus* 329, *Mus rattus* 179, *Mus alexandrinus* 141.
[4] Identified, *Mus norvegicus* 1, *Mus musculus* 7.

Squirrels Collected and Examined for Plague Infection.

Places.	Week ended—	Shot or trapped.	Found dead.	Examined.	Found infected.
California:					
Cities—					
San Francisco	May 27	10		8	
Counties—					
Alameda	do	247	10	257	
Amador	do	15		15	
Calaveras	do	107		107	
Colusa	do	136		136	
Contra Costa	do	128		128	
El Dorado	do	40		40	
Fresno	do	178		175	
Glenn	do	181		181	
Lake	do	171		171	
Los Angeles	do	334		327	
Madera	do	68		68	
Mariposa	do	57		57	
Mendocino	do	152	7	159	
Merced	do	370		370	1
Monterey	do	1,261		1,240	
Nevada	do	19		19	
Plumas	do	9		9	
Riverside	do	373		370	
San Benito	do	115		115	1
San Joaquin	do	260		260	
San Luis Obispo	do	546		546	
San Mateo	do	128		128	
Santa Clara	do	137		137	
Siskiyou	do	159		159	
Sonoma	do	35		35	
Stanislaus	do	465		465	2
Sutter	do	53		53	
Tehama	do	46		46	
Tuolumne	do	5		5	
Yolo	do	168		168	
Total		6,000	17	5,954	4

Other Animals Collected and Examined.

Places.	Week ended—	Aminals collected.	Examined.	Found infected.
California:				
Cities—				
San Francisco	May 27	3 gophers, 1 weasel, 2 field mice.	3	
Counties—				
Colusa	do	3 gophers	3	
Fresno	do	2 rabbits, 1 owl	2	
Glenn	do	3 rabbits	3	
Lake	do	1 rabbit, 3 chipmunks	4	
Los Angeles	do	3 rabbits	3	
Merced	do	7 rabbits	7	
Monterey	do	1 rabbit	1	
Riverside	do	1 rabbit, 3 wood rats	4	
San Benito	do	3 rabbits	3	
San Joaquin	do	9 rabbits	9	
San Luis Obispo	do	3 rabbits	3	
San Mateo	do	1 weasel	1	
Siskiyou	do	1 rabbit	1	
Sonoma	do	2 rabbits	2	
Sutter	do	6 rabbits	6	
Tehama	do	3 rabbits	3	
Yolo	do	2 rabbits	2	
Total			60	

SMALLPOX IN THE UNITED STATES.

In the following tables the States indicated by an asterisk are those from which reports of smallpox are received only from certain city and, in some cases, county boards of health. In these States, therefore, the recorded cases and deaths should not be taken as showing the general prevalence of the disease. In the States not marked by an asterisk the reports are received monthly from the State boards of health and include all cases reported throughout the State.

Reports Received During Week Ended June 30, 1911.

Places.	Date.	Cases.	Deaths.	Remarks.
* Alabama:				
Montgomery	June 11-17	1		
Florida:				
Counties—				
Alachua	June 4-10	1		
Duval	June 4-17	17		
Escambia	June 4-10	1		
Hillsboro	do	2		
Leon	do	7		
Putnam	do	10		
Total for State		38		
Indiana:				
Counties—				
Allen	May 1-31	3		
Bartholomew	do	13		
Benton	do	10		
Cass	do	13		
Clay	do	4		
Floyd	do	3		
Grant	do	7		
Howard	do	56		
Laporte	do	3		
Madison	do	7		
Marion	do	2		
Marshall	do	11		

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received During Week Ended June 30, 1911.

Places.	Date.	Cases.	Deaths.	Remarks.
Indiana—Continued.				
Counties—Continued.				
Parke	May 1-31	10		
Posey	do	4		
Shelby	do	5		
St. Joseph	do	2		
Tipton	do	1		
Vanderburg	do	15		
Vigo	do	1		
Wabash	do	3		
Wayne	do	34		
Wells	do	1		
Total for State		208		
Kansas:				
Counties—				
Allen	Apr. 1-30	1		
Anderson	do	1		
Barton	do	1		
Brown	do	5		
Chase	do	1		
Cherokee	do	6		
Cloud	do	8		
Crawford	do	1		
Dickinson	do	7		
Doniphon	do	2		
Douglas	do	1		
Elk	do	6		
Finney	do	5		
Ford	do	1		
Franklin	do	33		
Greenwood	do	5		
Harvey	do	1		
Jackson	do	1		
Jefferson	do	19		
Johnson	do	1		
Kearny	do	1		
Kingman	do	1		
Lane	do	3		
Leavenworth	do	1		
Leavenworth	do	12		
Marshall	do	1		
McPherson	do	2		
Montgomery	do	10		
Morris	do	2		
Neosho	do	6		
Norton	do	6		
Pottawatomie	do	1		
Pratt	do	1		
Reno	do	4		
Republic	do	3		
Riley	do	14		
Saline	do	16		
Sedgwick	do	11		
Shawnee	do	11		
Wichita	do	11		
Wilson	do	2		
Woodson	do	1		
Wyandotte				
Kansas City	do	18		
Total for State		244		
Michigan:				
Counties—				
Calhoun	May 1-31	14		
Emmet	do	4		
Grand Traverse	do	1		
Huron	do	7		
Ionia	do	3		
Isabella	do	4		
Kent	do	4		
Manistee	do	6		
Marquette	do	1		
Mecosta	do	2		
Muskegon	do	3		

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received During Week Ended June 30, 1911.

Places.	Date.	Cases.	Deaths.	Remarks.
Michigan—Continued.				
Counties—Continued.				
Ogemaw	May 1-31	1		
Oakland	do	1		
Ottawa	do	3		
Saginaw	do	1		
St. Clair	do	32		
St. Joseph	do	1		
Washtenaw	do	5		
Wayne	do	2		
Total for State		95		
Minnesota:				
Counties—				
Carver	May 9-29	4		
Filmore	do	7		
Hennepin	May 2-8	19		
Houston	May 2-29	2		
Kanabec	May 9-15	1		
Lac qui Parle	May 9-29	6		
McLeod	May 16-22	1		
Mille Lacs	May 9-15	3		
Mower	May 2-15	3		
Murray	May 2-8	11		
Nicollet	May 23-29	1		
Norman	do	1		
Ottertail	May 16-29	3		
Pipestone	May 23-29	1		
Ramsey	May 2-29	50		
Rice	May 2-8	1		
Sherburn	May 22-29	3		
Total for State		117		
***Missouri:**				
Kansas City	May 1-31	65		
St. Louis	June 11-17	1		
Total for State		66		
Montana:				
Counties—				
Beaverhead	May 1-31	1		
Cascade	do	1		
Chouteau	do	1		
Dawson	do	1		
Flathead	do	7		
Gallatin	do	1		
Jefferson	do	2		
Lewis and Clark	do	1		
Missoula	do	1		
Powell	do	2		
Silver Bow	do	3		
Sweet Grass	do	2		
Teton	do	5		
Valley	do	3		
Yellowstone	do	1		
Total for State		32		
***Nebraska:**				
Omaha	June 11-17	1		
New York:				
Counties—				
Albany	May 1-31	7		
Erie	do	14		
Franklin	do	2		
Monroe	do	4		
New York	do	1		
Niagara	do	1		
St. Lawrence	do	4		
Seneca	do	1		
Total for State		34		

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received During Week Ended June 30, 1911.

Places.	Date.	Cases.	Deaths.	Remarks.
North Carolina:				
Counties—				
Alamance	May 1-31	1		
Brunswick	do			Present.
Caswell	do	5		
Catawba	do	2		
Cumberland	do	10		
Davie	do	1		
Durham	do	1		
Guilford	do	16		
Haywood	do	3		
Johnston	do	2		
Jones	do	3		
Lenoir	do	1		
New Hanover	do	13		
Onslow	do	3		
Pender	do			Do.
Person	do	1		
Sampson	do			Do.
Scotland	do	1		
Stokes	do	2		
Surry	do	2		
Union	do			Do.
Wilkes	do	2		
Total for State		69		
*Tennessee:				
Knoxville	June 11-17	2		

Reports Received from Dec. 31, 1910, to June 30, 1911.

[For reports received from June 25, 1910, to Dec. 30, 1910, see Public Health Reports for Dec. 30, 1910. In accordance with custom, the tables of epidemic diseases are terminated semiannually and new tables begun.]

Places.	Date.	Cases.	Deaths.	Remarks.
*Alabama:				
Birmingham	Apr. 2-May 6	4		
Mobile Quarantine Station				May 8, 1 case from steamship Alamo, from New York via Key West and Tampa; Apr. 23-May 22, 2 cases from Mobile, removed from vessels; May 20, 1 case from s. s. Georgia Gilkey, from Mobile.
Montgomery	Dec. 11-June 17	32		
Total for State		36		
*Arkansas:				
Little Rock	May 1-31	4		
California:				
Counties—				
Alameda	Dec. 1-31	3		
Imperial	do	1		
Fresno	Apr. 1-30	8		
Humboldt	Dec. 1-Jan. 31	2		
Kern	Dec. 1-31	1		
Los Angeles	Dec. 1-Apr. 30	13		
Mariposa	Jan. 1-31	1		
Monterey	Mar. 1-31	1		
Napa	do	1		
Riverside	Jan. 1-Mar. 31	24	1	
San Bernardino	Jan. 1-31	3		
San Diego	Dec. 1-Feb. 28	16	1	
San Francisco	do	11		
San Joaquin	Dec. 1-31	2		
Santa Clara	Feb. 1-28	1		
Santa Cruz	Feb. 1-Mar. 31	2		
Ventura	Jan. 1-31	9		
Total for State		99	2	

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from Dec. 31, 1910, to June 30, 1911.

Places.	Date.	Cases.	Deaths.	Remarks.
Colorado:				
Counties—				
Adams	Dec. 1-Apr. 30	8		
Arapahoe	Dec. 1-Feb. 28	19		
Archuleta	Dec. 1-Apr. 30	36		
Boulder	do	33		
Chaffee	Mar. 1-May 31	19		
Clear Creek	May 1-31	1		
Conejos	Dec. 1-Apr. 30	25		
Costilla	Jan. 1-31	5		
Delta	Feb. 1-May 31	16		
Denver	Dec. 1-May 31	440		
Douglas	Mar. 1-Apr. 30	2		
Eagle	Jan. 1-31	1		
Elbert	Feb. 1-May 31	22		
El Paso	Dec. 1-May 31	36		
Fremont	Dec. 1-Apr. 30	15		
Garfield	Jan. 1-Apr. 30	8		
Gilpin	Jan. 1-31	1		
Grand	Dec. 1-31	2		
Gunnison	Mar. 1-Apr. 30	22		
Huerfano	Dec. 1-Apr. 30	22		
Jefferson	Dec. 1-May 31	23		
Kit Carson	Jan. 1-May 31	3		
La Plata	Dec. 1-Mar. 31	24		
Larimer	Jan. 1-May 31	145		
Las Animas	Dec. 1-May 31	71		
Lincoln	Mar. 1-May 31	29		
Logan	do	3		
Mesa	May 1-31	3		
Mineral	Jan. 1-31	2		
Moffat	May 1-31	3		
Montezuma	Dec. 1-31	1		
Montrose	Jan. 1-Apr. 30	16		
Morgan	Dec. 1-Mar. 31	54		
Otero	Feb. 1-May 31	30		
Phillips	Feb. 1-28	20		
Pitkin	May 1-31	1		
Pueblo	Dec. 1-May 31	41	1	
Rio Grande	Jan. 1-Apr. 30	18		
Routt	Apr. 1-May 31	11		
Sagauche	Dec. 1-31	3		
San Miguel	Apr. 1-May 31	5		
Sedgwick	Mar. 1-31	3		
Summit	Feb. 1-28	1		
Teller	Jan. 1-Apr. 30	10		
Weld	Feb. 1-May 31	30		
Yuma	Mar. 1-31	1		
Total		1,284	1	
Connecticut	Dec. 1-May 31			No cases.
*Delaware:				
Reedy Island quarantine	May 1			One case from s. s. Haverford from Liverpool.
District of Columbia	Jan. 15-June 3	23		
Florida:				
Counties—				
Alachua	Dec. 18-June'10	91	1	
Baker	Jan. 8-14	1		
Bradford	Jan. 16-May 6	8		
Brevard	Feb. 19-May 27	9		
Calhoun	Jan. 29-Mar. 25	27		
Citrus	Jan. 8-Mar. 11	2		
Clay	May 16-22	11		
Dade	Dec. 25-May 13	6		
De Soto	Mar. 1-June 10	8		
Duval	Jan. 1-June 17	385	1	
Escambia	Jan. 1-June 10	133		
Franklin	Jan. 8-May 13	27	1	
Gadsden	Dec. 18-June 10	164		
Hamilton	Mar. 26-Apr. 1	1		
Hillsboro	Dec. 25-June 10	136		
Jackson	Dec. 25-May 27	231		
Fernando	Mar. 19-25	1		
Jefferson	Feb. 5-May 6	5		
Lafayette	Jan. 16-Feb. 4	6		
Lake	Jan 22-June 3	13		

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from Dec. 31, 1910, to June 30, 1911.

Places.	Date.	Cases.	Deaths.	Remarks.
Florida—Continued.				
Counties—Continued.				
Lee	Jan. 8–Mar. 4	21		
Leon	Dec. 18–June 10	160	2	
Levy	Jan. 29–May 6	4		
Liberty	Feb. 26–Apr. 15	7		
Madison	Dec. 18–Jan. 21	19		
Manatee	Mar. 26–Apr. 1	1		
Marion	May 7–13	1		
Nassau	Jan. 16–21	2		
Orange	do	1		
Osceola	Mar. 25	3		
Pasco	Apr. 2–8	5		
Polk	Dec. 18–June 3	156		
Putnam	Feb. 12–June 10	33		
St. John	Jan. 22–May 27	9		
Santa Rosa	Jan. 8–June 3	41		
Sumter	May 7–13	1		
Suwanee	Jan. 16–21	1		
Taylor	Jan. 8–Feb. 4	140		
Volusia	May 20	16		
Wakulla	Mar. 1–31	2		
Walton	Dec. 25–June 3	12		
Washington	Jan. 8–Apr. 8	8		
Total for State		1,908	5	
* **Georgia**:				
Macon	Mar. 1–Apr. 30	14		
Illinois:				
Counties—				
Adams	Feb. 1–Apr. 30	6		
Alexander	Apr. 1–30	1		
Bond	Jan. 1–Apr. 30	10		
Carroll	Feb. 1–28	1		
Clay	Feb. 1–Mar. 31	4		
Clinton	Mar. 1–Apr. 30	44		
Coles	Dec. 1–Apr. 30	15		
Cook	do	59		
Douglas	Mar. 1–Apr. 30	8		
Edgar	do	9		
Effingham	Dec. 31–Feb. 28	2		
Fulton	Apr. 1–30	5		
Jackson	Mar. 1–Apr. 30	8		
Jasper	Dec. 1–31	4		
Jefferson	do	4		
Kane	Dec. 1–Apr. 30	30		
Livingston	Mar. 1–31	1		
Logan	Apr. 1–30	3		
McLean	Jan. 1–Apr. 30	23		
Macoupin	Feb. 1–Mar. 31	2		
Madison	Dec. 1–Apr. 30	22		
Mercer	Apr. 1–30	1		
Massac	Mar. 1–31	1		
Montgomery	Apr. 1–30	6		
Morgan	do	5		
Peoria	Dec. 1–Mar. 31	9		
Perry	Dec. 1–31	2		
Pulaski	Mar. 1–Apr. 30	3		
Rock Island	Mar. 1–31	1		
St. Clair	Apr. 1–30	7		
Saline	Jan. 1–Feb. 28	8		
Shelby	Mar. 1–Apr. 30	8		
Stevenson	Jan. 1–31	3		
Tazewell	Mar. 1–31	2		
Union	Dec. 1–Feb. 28	17		
Vermilion	Jan. 1–Apr. 30	20		
Washington	Feb. 1–28	1		
White	Apr. 1–30	12		
Williamson	Jan. 1–31	1		
Total for State		368		
Indiana:				
Counties—				
Adams	Feb. 1–28	6		
Allen	Feb. 1–May 30	8		
Bartholomew	May 1–31	13		
Benton	Apr. 1–May 30	11		
Blackford	Feb. 1–Apr. 30	21		

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from Dec. 31, 1910, to June 30, 1911.

Places.	Date.	Cases.	Deaths.	Remarks.
Indiana—Continued.				
Counties—Continued.				
Cass	Jan. 1–May 30	42	1	
Clark	Mar. 1–Apr. 30	21		
Clay	Feb. 1–May 30	15		
Daviess	Feb. 1–28	1		
Decatur	Jan. 1–Apr. 30	4		
Dekalb	Dec. 1–Feb. 28	9		
Delaware	Feb. 1–Apr. 30	19		
Elkhart	Dec. 1–31	5		
Floyd	Apr. 1–May 30	7		
Fountain	Mar. 1–Apr. 30	3	1	
Grant	May 1–31	7		
Greene	Feb. 1–28	1		
Howard	Dec. 1–May 30	105		
Huntington	Feb. 1–Apr. 30	5		
Jay	Apr. 1–30	1		
Jennings	Jan. 1–31	6		
Knox	Dec. 1–Mar. 31	11		
Lake	Mar. 1–31	1		
Laporte	Apr. 1–May 30	8		
Madison	Dec. 1–May 30	206		
Marion	Jan. 1–May 30	7		
Marshall	May 1–31	11		
Miami	Apr. 1–30	1		
Montgomery	Dec. 1–Mar. 31	15		
Monroe	Mar. 1–31	1		
Noble	Jan. 1–31	1		
Parke	May 1–31	10		
Posey	Jan. 1–May 30	6		
Pulaski	Apr. 1–30	1		
Shelby	Mar. 1–May 30	30		
St. Joseph	Feb. 1–May-30	10		
Steuben	Jan. 1–Feb. 28	7		
Sullivan	Mar. 1–Apr. 30	3		
Tippecanoe	Mar. 1–31	1		
Tipton	Apr. 1–May 30	8		
Vanderburg	May 1–31	15		
Vermilion	Apr. 1–30	3		
Vigo	Jan. 1–May 30	25		
Wabash	Feb. 1–May 30	21		
Warren	Jan. 1–Mar. 31	2		
Wayne	Jan. 1–May 30	62		
Wells	Mar. 1–May 30	8		
White	Apr. 1–30	2		
Total for State		786	2	
Iowa:				
Counties—				
Adams	May 1–31	5		
Audubon	do	1		
Benton	Jan. 1–Apr. 30	13		
Blackhawk	Feb. 1–Apr. 30	28		
Boone	Feb. 1–28	1		
Buena Vista	Dec. 1–31	1		
Carroll	Mar. 1–May 31	4		
Cherokee	Mar. 1–31	1		
Clay	May 1–31	1		
Crawford	do	1		
Dallas	Feb. 1–Mar. 31	3		
Decatur	Mar. 1–May 31	3		
Dubuque	Feb. 1–28	1		
Fayette	Apr. 1–30	2		
Fremont	Feb. 1–May 31	32		
Grundy	Apr. 1–30	1		
Guthrie	Jan. 1–May 31	9		
Hancock	Jan. 1–31	3		
Iowa	Apr. 1–30	1		
Jasper	Apr. 1–May 31	4	1	
Jefferson			1	Year 1910, in delinquent report received after Jan. 1, 1911.
Johnson	Jan. 1–May 31	3		
Jones	Apr. 1–30	1		
Keokuk	Apr. 1–May 31	8		
Lee	Dec. 1–31	1		
Linn	Dec. 1–May 31	151	1	
Lucas	Jan. 1–31	1		
Lyon	Dec. 1–May 31	8		
Madison	Apr. 1–May 31	6		
Mahaska	Feb. 1–28	1		

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from Dec. 31, 1910, to June 30, 1911.

Places.	Date.	Cases.	Deaths.	Remarks.
Iowa—Continued.				
Counties—Continued.				
Marshall	Dec. 1–May 31	24		
Mills	Apr. 1–May 31	13		
Montgomery	Apr. 1–30	3		
Muscatine	Mar. 1–31	1		
Page	Dec. 1–Mar. 31	36	1	
Plymouth	Mar. 1–Apr. 30	2		
Polk	Dec. 1–May 31	60		
Pottawattamie	Jan. 1–May 31	33		
Sac	Apr. 1–May 31	23		
Scott	Dec. 1–May 31	15		
Shelby	May 1–31	1		
Sioux	Feb. 1–Mar. 31	2		
Tama	Mar. 1–31	1		
Taylor	Dec. 1–May 31	65		
Union	Jan. 1–Feb. 28	3		
Warren	Dec. 1–Apr. 30	3		
Webster	Dec. 1–31	10		
Winnebago	Jan. 1–31	1		
Woodbury	Dec. 1–Mar. 31	15		
Total for State		606	4	
Kansas:				
Counties—				
Pawnee	Nov. 1–30	1		
Reno	do	1		
Allen	Dec. 1–Apr. 30	8		
Anderson	Jan. 1–Apr. 30	2		
Atchison	Dec. 1–Mar. 31	32		
Barton	Feb. 1–Apr. 30	3		
Bourbon	Mar. 1–31	8		
Brown	Dec. 1–Apr. 30	62	1	
Butler	Dec. 1–Jan. 31	2		
Chase	Apr. 1–30	1		
Cherokee	Dec. 1–Apr. 30	125		
Clay	Dec. 1–Feb. 28	15		
Cloud	Feb. 1–Apr. 30	84		
Crawford	do	4		
Decatur	Dec. 1–31	1		
Dickinson	Dec. 1–Apr. 30	41		
Doniphan	do	25		
Douglas	Jan. 1–Apr. 30	8		
Elk	Apr. 1–30	6		
Finney	do	5		
Ford	Mar. 1–Apr. 30	2		
Franklin	Apr. 1–30	33		
Greenwood	Feb. 1–Apr. 30	97		
Harper	Jan. 1–Mar. 31	20		
Harvey	Apr. 1–30	1		
Jackson	Feb. 1–Apr. 30	12		
Jefferson	Dec. 1–Apr. 30	32		
Jewell	Jan. 1–31	17		
Johnson	Dec. 1–Apr. 30	35		
Kearney	Jan. 1–Apr. 30	8		
Kingman	Dec. 1–Apr. 30	3		
Lane	Apr. 1–30	3		
Leavenworth	Jan. 1–Apr. 30	12		
Leavenworth	Dec. 1–Apr. 30	17	1	
Linn	Mar. 1–31	3		
Lyon	Jan. 1–31	1		
McPherson	Feb. 1–Apr. 30	8		
Marion	Jan. 1–Feb. 28	6		
Marshall	Dec. 1–Apr. 30	137		
Miami	Feb. 1–28	1		
Mitchell	Apr. 1–30	18		
Montgomery	Dec. 1–Apr. 30	40		
Morris	Mar. 1–Apr. 30	11		
Morton	Jan. 1–Feb. 28	12		
Nemaha	Dec. 1–Feb. 28	8		
Neosho	Apr. 1–30	6		
Norton	Jan. 1–Apr. 30	11		
Osage	Dec. 1–Mar. 31	2		
Ottawa	Feb. 1–Mar. 31	39		
Pottawatomie	Jan. 1–Apr. 30	20		
Pratt	Apr. 1–30	1		
Reno	Dec. 1–Apr. 30	5		
Republic	Mar. 1–Apr. 30	12		
Riley	Jan. 1–Apr. 30	22		
Rooks	Dec. 1–Mar. 31	2		

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from Dec. 31, 1910, to June 30, 1911.

Places.	Date.	Cases.	Deaths.	Remarks.
Kansas—Continued.				
Counties—Continued.				
Russell	Jan. 1-Feb. 28	2	1	
Saline	Jan. 1-Apr. 30	45		
Sedgwick	do	16		
Shawnee	Dec. 1-Apr. 30	25		
Sumner	Dec. 1-31	6		
Washington	Jan. 1-Feb. 28	5		
Wichita	Feb. 1-Apr. 30	13		
Wilson	do	3		
Woodson	Apr. 1-30	1		
Wyandotte, exclusive of Kansas City.	Dec. 1	15		
Kansas City	Dec. 1-Apr. 30	70		
Total for State		1,292	3	
*Kentucky:				
Henderson	Feb. 22-28	4		
Lexington	Feb. 26-Apr. 8	3		
Newport	Apr. 23-May 6	2		
Paducah	Jan. 23-Apr. 22	33		
Total for State		42		
*Louisiana:				
Parishes—				
Ascension	Dec. 1-31	1		
Calcasieu	Jan. 1-31	13	1	
East Baton Rouge	Dec. 1-31	25		
East Feliciana	do	30		
Iberville	do	6		
Lafourche	Jan. 1-31	16		
Orleans—				
New Orleans	Dec. 18-June 10	231	2	
Rapides	Dec. 1-31	1		
St. Charles	do	4		
St. John	do	1		
Tangipahoa	Nov. 1-Dec. 31	22		
Tensas	Dec. 1-Jan. 31	20		
Washington	do	5		
Total for State		375	3	
Maine	Dec. 1-Mar. 31			No cases.
Counties—				
Penobscot	Apr. 1-May 31	2		
Piscataquis	do	4		
Total for State		6		
Maryland				December and March, no cases.
Counties—				
Baltimore	Feb. 1-28	2		
Frederick	May 1-31	2		
Garrett	Jan. 1-Feb. 28	10		
Washington	Apr. 1-May 31	12		
Total for State		26		
Massachusetts				Nov. 1-Mar. 31, no cases.
Counties—				
Essex	May 1-31	1		
Middlesex	do	1		
Norfolk	do	2		
Suffolk	Apr. 1-30	1		
Total for State		5		
Michigan	Jan. 1-Feb. 28	16		Not previously reported.
Counties—				
Alcona	Dec. 1-31	1		
Alger	Dec. 1-Feb. 28	2		
Alpena	Jan. 1-Mar. 31	2		
Antrim	Jan. 1-Apr. 30	11		
Arenac	Dec. 1-Jan. 31	7		
Barry	Feb. 1-28	1		
Bay	Dec. 1-Jan. 31	2		
Calhoun	Dec. 1-May 31	33	1	
Cass	Feb. 1-28	2		
Charlevoix	Dec. 1-Feb. 28	24		

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from Dec. 31, 1910, to June 30, 1911.

Places.	Date.	Cases.	Deaths.	Remarks.
Michigan—Continued.				
Counties—Continued.				
Cheboygan	Dec. 1-Apr. 30	49		
Chippewa	Mar. 1-31	1		
Clare	Jan. 1-31	8		
Clinton	Dec. 1-31	3		
Crawford	Dec. 1-Jan. 31	6		
Eaton	Dec. 1-Apr. 30	8		
Emmet	Jan. 1-May 31	99		
Genesee	Dec. 1-Feb. 28	14	1	
Gladwin	do	4	1	
Grand Traverse	Dec. 1-May 31	5		
Gratiot	Dec. 1-Feb. 28	10		
Houghton	Feb. 1-28	5		
Huron	Jan. 1-May 31	17		
Ingham	Dec. 1-Mar. 31	4		
Ionia	Jan. 1-May 31	31		
Iron	Apr. 1-30	1		
Isabella	Dec. 1-May 31	29		
Kalamazoo	Dec. 1-Jan. 31	6		
Kent	Mar. 1-May 31	6		
Keweenaw	Dec. 1-Feb. 28	16		
Lake	Dec. 1-31	3		
Lapeer	do	1		
Leelanau	Jan. 1-31	2		
Lenawee	Apr. 1-30	1		
Livingston	Feb. 1-28	1		
Mackinac	do	4		
Macomb	Feb. 1-Mar. 31	14		
Manistee	May 1-31	6		
Marquette	Dec. 1-May 31	12		
Mason	Mar. 1-Apr. 30	3		
Mecosta	May 1-31	2		
Midland	Dec. 1-31	3		
Missaukee	do	3		
Monroe	do	2		
Muskegon	Jan. 1-May 31	7		
Newaygo	Jan. 1-31	3		
Oakland	May 1-31	1		
Oceana	Mar. 1-Apr. 30	17		
Ogemaw	May 1-31	1		
Ottawa	do	3		
Presque Isle	Dec. 1-Mar. 31	2		
Saginaw	Dec. 1-May 31	5	3	
Sanilac	Jan. 1-Feb. 28	8		
Shiawassee	Mar. 1-31	3		
St. Clair	Dec. 1-May 31	43		
St. Joseph	May 1-31	1		
Tuscola	Mar. 1-31	1		
Van Buren	Apr. 1-30	1		
Washtenaw	Dec. 1-May 31	13		
Wayne	do	9		
Wexford	Dec. 1-Mar. 31	6		
Total for State		604	6	
Minnesota:				
Counties—				
Beltrami	Dec. 19-Feb. 13	6		
Bigstone	Dec. 26-Jan. 1	1		
Blue Earth	Dec. 19-Mar. 20	2		
Carver	May 9-29	4		
Cass	Apr. 25-May 1	4		
Dakota	Feb. 1-Mar. 27	2		
Douglas	Dec. 5-Apr. 17	4		
Fillmore	Nov. 27-May 29	13		
Hennepin	Dec. 3-May 8	122		
Houston	May 2-29	2		
Hubbard	Apr. 25-May 1	1		
Itasco	Feb. 20-27	1		
Kanabec	May 1-31	1		
Kandiyohi	Jan. 24-30	1		
Koochiching	Dec. 5-Feb. 13	12		
Lac qui Parle	Jan. 10-May 31	7		
Le Sueur	Dec. 26-Mar. 16	5		
Lyon	Feb. 14-Apr. 10	8		
Marshall	Mar. 1-6	1		
McLeod	May 16-22	1		
Mille Lacs	May 9-15	3		
Mower	Apr. 18-May 15	7		
Murray	Jan. 17-May 8	18		

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from Dec. 31, 1910, to June 30, 1911.

Places.	Date.	Cases.	Deaths.	Remarks.
Minnesota—Continued.				
Counties—Continued.				
Nicollet	May 23-29	1		
Nobles	Dec. 5-Feb. 27	4		
Norman	Dec. 12-May 29	28		
Olmstead	Jan. 10-Apr. 10	7		
Ottertail	Mar. 7-May 29	11		
Pipestone	Jan. 10-Apr. 22	13		
Pope	Jan. 3-9	3		
Ramsey	Dec. 5-May 29	316		
Redwood	Apr. 25-May 1	1		
Renville	Apr. 11-17	3		
Rice	Feb. 14-May 8	2		
Rock	Feb. 1-Apr. 24	2		
Sherburne	Apr. 18-May 29	5		
St. Louis	Nov. 27-Apr. 10	10		
Sibley	Dec. 26-Jan. 16	2		
Steele	Mar. 1-31	1		
Todd	Dec. 5-Apr. 10	25		
Traverse	Feb. 1-6	1		
Wabasha	Dec. 26-Mar. 6	2		
Wadena	Dec. 26-Jan. 2	2		
Washington	Feb. 7-Mar. 20	10		
Winona	Jan. 17-23	1		
Yellow Medicine	Apr. 25-May 1	1		
Total for State		677		
Mississippi:				
Biloxi	Mar. 13			Present.
Gulfport	May 13-19	1		
*Missouri:				
Kansas City	Nov. 1-May 31	360		
St. Joseph	Feb. 5-18	16		
St. Louis	Dec. 18-June 17	93	1	
Springfield	Feb. 5-May 6	32		
Total for State		501	1	
Montana:				
Counties—				
Beaverhead	Jan. 1-May 31	6		
Carbon	Mar. 1-31	1		
Cascade	Dec. 1-May 31	28		
Chouteau	Jan. 1-May 31	25		
Custer	Dec. 1-Jan. 31	2		
Dawson	Nov. 1-May 31	11		
Deer Lodge	Nov. 1-Mar. 31	18		
Fergus	Apr. 1-30	1		
Flathead	Apr. 1-May 31	9		
Gallatin	Feb. 1-May 31	2	1	
Jefferson	do	3		
Lewis and Clark	do	4		
Missoula	Jan. 1-May 31	4		
Powell	do	3		
Revalli	Dec. 1-Mar. 31	12		
Silver Bow, exclusive of Butte.	Nov. 1-Apr. 30	35		
Butte	Nov. 1-May 31	80		
Sweet Grass	May 1-31	2		
Teton	Jan. 1-May 31	21		
Valley	Apr. 1-May 31	7		
Yellow Stone	May 1-31	1		
Total for State		275	1	
*Nebraska:				
Lincoln	Dec. 1-Jan. 31	31		
Omaha	Apr. 1-June 17	55		
South Omaha	Jan. 1-June 10	27		
Total for State		113		
New Hampshire	Jan. 1-June 8	30		Approximate.

SMALLPOX IN THE UNITED STATES—Continued

Reports Received from Dec. 31, 1910, to June 30, 1911.

Places.	Date.	Cases.	Deaths.	Remarks.
New Jersey:				
Counties—				
Bergen	Dec. 1-Mar. 31	3		
Camden	Mar. 1-31	1		
Middlesex	Jan. 1-31	1		
Salem	Jan. 1-May 31	30		
Total for State		35		
New York:				
Counties—				
Albany	May 1-31	7		
Allegany	Nov. 1-30	1		
Chautauqua	Jan. 1-31	4		
Columbia	do	1		
Erie	Mar. 1-May 31	22		
Franklin	May 1-31	2		
Monroe	May 1-31	4		
New York	Mar. 1-May 31	2		
Niagara	Dec. 1-May 31	4		
Onondaga	Jan. 1-31	1		
Seneca	May 1-31	1		
St. Lawrence	Feb. 1-May 31	9		
Steuben	Feb. 1-28	1		
Tioga	Dec. 1-31	1		
Tompkins	Nov. 1-30	1		
Total for State		61		
North Carolina:				
Counties—				
Alamance	Jan. 1-May 31	21		
Beaufort	Dec. 1-Mar. 31	43		
Bertie	Jan. 1-Feb. 28	2		
Bladen	Nov. 1-Mar. 31	125		Present in April.
Brunswick	Dec. 1-Mar. 31	56		Present in Feb., Apr., and May.
Burke	Jan. 1-Mar. 31	5		
Carteret	Nov. 1-Jan. 31	4		
Caswell	Jan. 1-May 31	14		
Catawba	Apr. 1-May 31	3		
Chatham	Dec. 1-Apr. 30	82		
Cherokee	Feb. 1-28	15		
Cleveland	Jan. 1-31			Present.
Columbus	Nov. 1-Apr. 30	81		
Craven	Jan. 1-Mar. 31	13		
Cumberland	Nov. 1-May 31	80		
Currituck	Jan. 1-31	2		
Davie	May 1-31	1		
Duplin	Dec. 1-Apr. 30	62		
Durham	Nov. 1-May 31	571		
Edgecombe	Nov. 4-Jan. 31	7		
Forsyth	Mar. 1-31	3		
Franklin	Nov. 1-Apr. 30	15		
Granville	Dec. 1-Feb. 28	28		
Guilford	Mar. 1-May 31	53		
Halifax	Mar. 1-31	1		
Harnett	Mar. 1-Apr. 30	63		
Haywood	Apr. 1-May 31	7		
Henderson	Dec. 1-Apr. 30	39		
Hertford	Dec. 1-31	1		
Iredell	Mar. 1-31	4		
Jackson	do	4		
Johnston	Dec. 1-May 31	13		Present in January.
Jones	Jan. 1-May 31	17		
Lee	Dec. 1-Apr. 30	12		
Lenoir	Jan. 1-May 31	3		
Martin	Nov. 1-Dec. 31	17		
Mecklenburg	Jan. 1-Feb. 28	7		
Nash	Nov. 1-Apr. 30	7		
New Hanover	Nov. 1-May 31	746		
Northampton	Jan. 1-Mar. 31	21		
Onslow	Dec. 1-May 31	93		
Orange	Jan. 1-31	12		Present in February.
Pasquotank	Nov. 1-Apr. 30	9		
Pender	Nov. 1-Jan. 31	127		Feb. 1-May 31 present.
Person	Jan. 1-May 31	3		
Pitt	Nov. 1-Feb. 28	34		
Robeson	Nov. 1-Apr. 30	240		Present in February.
Rockingham	Apr. 1-30	1		
Rowan	Dec. 1-Feb. 28	5		
Rutherford	Feb. 1-28	1		

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from Dec. 31, 1910, to June 30, 1911.

Places.	Date.	Cases.	Deaths.	Remarks.
North Carolina—Continued.				
Counties—Continued.				
Sampson	Dec. 1–Feb. 28	33		Present in March and in May.
Scotland	Feb. 1–May 31	7		Present in April.
Stokes	Apr. 1–May 31	4		
Surry	do	13		
Union	Nov. 1–Apr. 30	13		Present in May.
Vance	Jan. 1–Apr. 30	35		
Wake	Nov. 1–Mar. 31	61		
Washington	Jan. 1–31	2		
Watauga	Feb. 1–28	1		
Wayne	Dec. 1–Feb. 28	14		
Wilkes	Jan. 1–May 31	10		
Total for State		2,966		
North Dakota:				
Counties—				
Barnes	May 1–31	1		
Billings	Jan. 1–May 31	29		
Cass	Dec. 1–May 31	2		
Grand Forks	Jan. 1–31	1		
Lamoure	Feb. 1–28	6		
McIntosh	Jan. 1–Feb. 28	2		
Morton	Dec. 1–31	1		
Nelson	Mar. 1–May 31	3		
Ramsey	Jan. 1–31	1		
Steele	Dec. 1–Jan. 31	19		
Stutsman	Jan. 1–May 31	18		
Trail	May 1–31	1		
Wells	Mar. 1–31	1		
Total for State		85		
Ohio:				
Counties—				
Adams	Apr. 1–May 31	27		
Ashland	Jan. 1–Apr. 30	3		
Butler	Mar. 1–May 31	16		
Clark	Jan. 1–May 31	68	1	
Crawford	May 1–31	1		
Cuyahoga	Mar. 1–Apr. 30	5		
Darke	do	17		
Delaware	Feb. 1–Mar. 31	2		
Franklin	Dec. 1–May 31	20		
Fulton	Jan. 1–31	4		
Hardin	Apr. 1–May 31	3		
Hamilton	Dec. 1–May 31	55		
Hocking	May 1–31	1		
Lawrence	do	1		
Lorain	Dec. 1–31	2		
Lucas	Mar. 1–May 31	8		
Marion	Mar. 1–Apr. 30	76		
Miami	Feb. 1–28	1		
Monroe	Mar. 1–31	1		
Montgomery	Jan. 1–Feb. 28	2		
Perry	May 1–31	12		
Portage	Dec. 1–31	1		
Ross	Jan. 1–31	1		
Scioto	Mar. 1–Apr. 30	8		
Williams	Jan. 1–Mar. 31	4		
Wood	Mar. 1–Apr. 30	4		
Total for State		343	1	
Oklahoma:				
Counties—				
Adair	Nov. 1–30	1		
Atoka	Dec. 1–Feb. 28	2		
Beckham	Nov. 1–Apr. 30	87		
Blaine	do	21		
Bryan	Nov. 1–Mar. 31	28		
Caddo	Nov. 1–Apr. 30	32		
Canadian	Nov. 1–Jan. 31	34		
Carter	Mar. 1–Apr. 30	10		
Cherokee	Jan. 1–Feb. 28	4		
Choctaw	Jan. 1–Apr. 30	29		
Cleveland	Feb. 1–Apr. 30	47		
Coal	Feb. 1–28	20	1	
Comanche	Jan. 1–Mar. 31	8		
Creek	Mar. 1–Apr. 30	65		

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from Dec. 31, 1910, to June 30, 1911.

Places.	Date.	Cases.	Deaths.	Remarks.
Oklahoma—Continued.				
Counties—Continued.				
Custer	Dec. 1-Jan. 31	9		
Garfield	Dec. 1-Feb. 28	2		
Garvin	Apr. 1-30	8		
Grady	Nov. 1-Feb. 28	7	1	
Green	Nov. 1-30	1		
Hughes	Nov. 1-Apr. 30	69		
Jackson	Jan. 1-Mar. 31	71		
Jefferson	Apr. 1-30	8		
Johnston	Jan. 1-Apr. 30	5		
Kay	Dec. 1-Apr. 30	3		
Kingfisher	Feb. 1-Apr. 30	13		
Kiowa	Feb. 1-Mar. 31	3		
Latimer	Dec. 1-31	1		
Le Flore	Mar. 1-31	2		
Lincoln	Jan. 1-Mar. 31	71		
McClain	Mar. 1 Apr. 30	23		
McCurtain	Jan. 1-Mar. 31	43		
McIntosh	Nov. 1-Apr. 30	13		
Major	Dec. 1-31	4		
Marshall	Nov. 1-Apr. 30	15		
Muskogee	Feb. 1-Apr. 30	4		
Noble	Mar. 1-31	2		
Nowata	Jan. 1-Apr. 30	14		
Okfuskee	Jan. 1-Mar. 31	12		
Oklahoma	Dec. 1-Apr. 30	33		
Okmulgee	Jan. 1-Apr. 30	27		
Osage	Dec. 1-Jan. 31	3		
Payne	Feb. 1-Mar. 31	6		
Pittsburg	Dec. 1-Apr. 30	34		
Pontotoc	Jan. 1-Apr. 30	11		
Pottawatomie	Jan. 1-31	6		
Roger Mills	Mar. 1-Apr. 30	10		
Rogers	Apr. 1-30	3		
Seminole	Dec. 1-Jan. 31	9		
Stephens	Dec. 1-31	1		
Tulsa	Nov. 1-Mar. 31	10		
Washington	Dec. 1-Apr. 30	3		
Washita	Nov. 1-Apr. 30	19		
Woods	Dec. 1-Jan. 31	11		
Total for State		977	2	
Oregon:				
Counties—				
Baker	Jan. 1-31	2		
Benton	Dec. 1-Mar. 31	2		
Columbia	Jan. 1-31	1		
Marion	Dec. 1-Feb. 28	10	4	
Multnomah	Oct. 1-Mar. 31	9		
Polk	Nov. 1-30	1		
Umatilla	Dec. 1-31	1		
Union	Jan. 1-31	1		
Total for State		27	4	
Pennsylvania, entire State	Oct. 1-31			No cases.
	Nov. 1-Apr. 30	44	1	
*Rhode Island:				
Providence	May 21-27	1		
*South Carolina:				
Camden	Jan. 15-21	1		
Charleston	Feb. 1-Apr. 30	10		
Seven Mile	Mar. 1	9	1	
Total for State		20	1	
South Dakota:				
Counties—				
Aurora	Feb. 1-Mar. 31	9		
Beadle	Jan. 1-Mar. 31	9		
Brookings	do	19		
Brown	Mar. 1-31	1		
Brule	Jan. 1-Mar. 31	21		
Charles Mix	Feb. 1-28	4		
Clark	Mar. 1-31	1		
Clay	do	1		
Davidson	Feb. 1-Mar. 31	4		

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from Dec. 31, 1910, to June 30, 1911.

Places.	Date.	Cases.	Deaths.	Remarks.
South Dakota—Continued.				
Counties—Continued.				
Deuel	Jan. 1-31	1		
Douglas	Mar. 1-31	1		
Fall River	do	3		
Grant	Feb. 1-Mar. 31	16		
Gregory	Jan. 1-Feb. 28	8		
Hamlin	Feb. 1-Mar. 31	3		
Hanson	Feb. 1-28	1		
Hughes	do	1		
Kingsbury	do	1		
Lincoln	Jan. 1-Feb. 28	3		
Lyman	Jan. 1-Mar. 31	72		
Miner	do	13		
Minnehaha	Feb. 1-Mar. 31	3		
Pennington	do	15		
Perkins	Feb. 1-28	4		
Spink	Jan. 1-Mar. 31	37		
Stanley	Feb. 1-28	5		
Tripp	Feb. 1-Mar. 28	5		
Turner	Feb. 1-28	5		
Union	Feb. 1-Mar. 31	4		
Total for State		270		
*Tennessee:				
Counties—				
Davidson—				
Nashville	Jan. 8-June 3	7		
Hamilton—				
Chattanooga	Jan. 1-May 22	11	1	
Knox—				
Knoxville	Jan. 22-June 17	108		
Shelby	Nov. 1-May 31	427	3	
Total for State		553	4	
Texas	Feb. 1-28		3	Reported out of date.
Counties—				
Bell	Feb. 1-28	1		
Bowie	Mar. 1-31	4		
Cameron	Nov. 1-Apr. 30	141		
Cherokee	Jan. 1-Apr. 30	5		
Clay	Apr. 1-30	1		
Collin	Jan. 1-Apr. 30	34		
Dallas	Dec. 1-Apr. 30	39		
Denton	Mar. 1-Apr. 30	3		
Dewitt	Feb. 1-28	4		
El Paso	Jan. 1-Feb. 28	48	3	
Falls	Mar. 1-31	12		
Grimes	Nov. 1-30	4		
Guadalupe	Jan. 1-31	5	2	
Hall	Apr. 1-30	13		
Harrison	Mar. 1-31	5		
Henderson	Nov. 1-Apr. 30	23		
Hidalgo	Dec. 1-Apr. 30	8		
Houston	Mar. 1-31	2		
Jones	Jan. 1-31	3		
Lamar	Mar. 1-Apr. 30	11		
Lampasas	Apr. 1-30	1		
McLennan	Nov. 1-Apr. 30	27		
Marion	Dec. 1-Apr. 30	44		
Matagorda	Jan. 1-31	5		
Mitchell	Mar. 1-31	1		
Nueces	Jan. 1-Apr. 30	8		
Orange	Jan. 1-Feb. 28	9		
Palo Pinto	Mar. 1-31	1		
Red River	do	1		
Refugio	Mar. 1-Apr. 30	3		
Runnels	Jan. 1-31	1		
Swisher	Dec. 1-31	2		
Tarrant	Dec. 1-Apr. 30	16		
Taylor	Jan. 1-31	1		
Titus	Apr. 1-30	1		
Upshur	Mar. 1-Apr. 30	9		
Uvalde	Jan. 1-31	1		
Van Zant	Nov. 1-Feb. 28	9	1	
Wichita	Mar. 1-Apr. 30	28		
Williamson	Apr. 1-30	1	1	
Total for State		535	10	

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from Dec. 31, 1910, to June 30, 1911.

Places.	Date.	Cases.	Deaths.	Remarks.
Utah:				
Counties—				
Beaver	Nov. 1-Apr. 30	148	1	
Boxelder	Jan. 1-Apr. 30	71		
Cache	Nov. 1-Apr. 30	73	1	
Davis	Dec. 1-Apr. 30	14		
Garfield	Mar. 1-Apr. 30	14		
Iron	Nov. 1-Feb. 28	83		
Juab	Nov. 1-Mar. 31	13		
Millard	Nov. 1-Feb. 28	50		
Piute	Jan. 1-31	14		
Rich	Feb. 1-28	13		
Salt Lake	Nov. 1-Apr. 30	95		
Sanpete	Dec. 1-Apr. 30	58		
Sevier	do	69		
Tooele	Apr. 1-30	60		
Utah	Jan. 1-Apr. 30	86		
Washington	Nov. 1-Apr. 30	66		
Weber	do	108	1	
Total for State		1,035	3	
Vermont	Jan. 1-May 26			No cases.
Virginia:				
Counties—				
Appomattox	Jan. 1-31	3		
Alexandria	do	5		
Culpeper	Jan. 1-Feb. 28	4		
Dinwiddie	Jan. 1-31	1		
Fairfax	Jan. 1-Feb. 28	3		
Farquier	do	42		
Frederick	Jan. 1-31	4		
Lee	Jan. 1-Feb. 28	270		
Loudoun	do	7		
Lunenburg	Jan. 1-31	8		
Nansemond	do	4		
Prince William	Feb. 1-28	2		
Roanoke	Jan. 1-31	1		
Southampton	do	1		
Stafford	do	10		
Wise	do	7		
Total for State		372		
Washington:				
Counties—				
Chehalis	Mar. 1-Apr. 30	10		
Chelan	Jan. 1-Mar. 31	2		
Clallam	Jan. 1-Apr. 30	38		
Cowlitz	Apr. 1-30	1		
Ferry	Jan. 1-31	1		
Grant	Apr. 1-30	14		
King	Dec. 1-Apr. 30	186	2	
Kittitas	Apr. 1-30	1		
Lewis	Mar. 1-Apr. 30	7		
Lincoln	Feb. 1-Mar. 31	2		
Mason	Apr. 1-30	9		
Pacific	Jan. 1-31	1		
Pierce	Dec. 1-Apr. 30	55		
Skagit	Nov. 1-Apr. 30	119		
Snohomish	Dec. 1-Apr. 30	12		
Spokane	Nov. 1-Apr. 30	8		
Stevens	Dec. 1-Feb. 28	2		
Thurston	Mar. 1-Apr. 30	2		
Walla Walla	Jan. 1-Mar. 31	2		
Whatcom	Jan. 1-Apr. 30	83		
Whitman	Apr. 1-30	7		
Yakima	Jan. 1-Apr. 30	18		
Total for State		580	2	
Wisconsin:				
Counties—				
Ashland	Jan. 1-Mar. 31	10		
Barron	do	9		
Bayfield	Apr. 1-30	2		
Buffalo	Feb. 1-28	1		
Chippewa	Dec. 1-Mar. 31	12		
Clark	Apr. 1-30	1		
Dane	Jan. 1-Mar. 31	11		

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from Dec. 31, 1910, to June 30, 1911.

Places.	Date.	Cases.	Deaths.	Remarks.
Wisconsin—Continued.				
Counties—Continued.				
Douglas	Feb. 1–Apr. 30	12		
Dunn	Dec. 1–Mar. 31	19		
Eau Claire	Feb. 1–Mar. 31	8		
Green	Jan. 1–31	2		
Iowa	Dec. 1–Mar. 31	114		
Iron	Mar. 1–31	1		
Jefferson	Dec. 1–Jan. 31	10		
Lafayette	Dec. 1–Feb. 28	11		
La Crosse	Dec. 1–Apr. 30	13		
Lincoln	Feb. 1–Mar. 31	2		
Milwaukee	Dec. 1–Mar. 31	16		
Monroe	Mar. 1–31	5		
Oneida	Dec. 1–Mar. 31	13		
Pepin	May 1–31	4		
Pierce	Feb. 1–28	1		
Price	Mar. 1–31	4		
Richland	May 1–31	2		
Rusk	Mar. 1–May 31	7		
Sheboygan	Mar. 1–31	1		
St. Croix	Dec. 1–Feb. 28	7		
Vernon	Jan. 1–Feb. 28	10		
Vilas	Dec. 1–31	1		
Walworth	Jan. 1–31	1		
Washington	Dec. 1–31	1		
Total for State		311		
Grand total for the United States		17,290	56	

MORBIDITY AND MORTALITY.

MORBIDITY AND MORTALITY TABLE, CITIES OF THE UNITED STATES, FOR WEEK ENDED JUNE 10, 1911.

Cities.	Population, United States census 1910.	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Smallpox.		Tuberculosis.		Typhoid fever.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Cities having over 500,000 inhabitants.														
Baltimore, Md	558,485	157	4	1	81		12	1			40	23	6	
Boston, Mass	670,585	178	84		147	2	22	1			65	17	10	1
Chicago, Ill	2,185,283	546	118	2	182	2	145	17			166	75	19	3
Cleveland, Ohio	560,663		25	5	28		67	5			38	14	9	2
New York, N. Y	4,766,883	1,224	277	24	1,021	33	341	27			354	149	28	5
Philadelphia, Pa	1,549,008	408	79	5	155	7	36	2			116	47	6	2
St. Louis, Mo	687,029	228	13	3	58	1	49	6			47	15	9	
Cities having from 300,000 to 500,000 inhabitants.														
Buffalo, N. Y	423,715	114	31	2	23	3	12				19	6	3	
Cincinnati, Ohio	364,463	114	5		9		51	1			37	21	4	
Detroit, Mich	465,766	111	26	2			14	1	1					
Los Angeles, Cal	319,198	90	2		30		6				10	12	1	
Milwaukee, Wis	373,857	61	13	2	40	2	14				17	3	12	1
Newark, N. J	347,469	91	23				17				19	13	9	2
New Orleans, La	339,075	160	11		33		6		3		33	22	14	1
San Francisco, Cal	416,912	90	3		52		19				13	9	2	

MORBIDITY AND MORTALITY—Continued.

Weekly morbidity and mortality table, cities of the United States, for week ended June 10, 1911—Continued.

Cities.	Population, United States census 1910.	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Smallpox.		Tuberculosis.		Typhoid fever.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Cities having from 200,000 to 300,000 inhabitants.														
Denver, Colo	213,381	55	4	1	5		15		10			6	2	
Jersey City, N. J	267,779	59						1				4		
Kansas City, Mo	248,381	87	2		9							10		
Providence, R. I	224,326	57	6		2		13	1			27	6	3	
Seattle, Wash	237,194	35			47		14		6		11	4	4	
Cities having from 100,000 to 200,000 inhabitants.														
Bridgeport, Conn	102,054	20	1		29		5				4	2		
Cambridge, Mass	104,839		10	2	11		4				13	3		
Columbus, Ohio	181,548	63	1		11		4	1	2		5	7	2	
Dayton, Ohio	116,577	34			13		1					6		
Fall River, Mass	119,295	34	2		14	2	3				6	5		
Grand Rapids, Mich	112,571	20			14		4				5	2	3	
Lowell, Mass	106,294	29	3		1						2	3		
Memphis, Tenn	131,105		2		1						5	3	3	2
Nashville, Tenn	110,364	57			2		1				3	3	3	1
Oakland, Cal	150,174	31	4		5	1					1	2		
Omaha, Nebr	124,096		1	1			4		1			4		
Paterson, N. J	125,600		10				26	1			2			
Spokane, Wash	104,402	23	3		27		4		1			3	1	
Toledo, Ohio	168,497		5		1		6				1	7	2	
Worcester, Mass	145,986	36	4		9		16				5	3	1	
Cities having from 50,000 to 100,000 inhabitants.														
Altoona, Pa	52,127	14					1							
Bayonne, N. J	55,545	13	2		26		1					3		1
Brockton, Mass	56,878	3			15		2				3			
Camden, N. J	94,538		2				1	1						
Canton, Ohio	50,217	9					1					2		
Covington, Ky	53,270	15					2		3			3		
Duluth, Minn	78,466	15	1	1	33		2		2		3	2	1	
Elizabeth, N. J	73,409	17	3		3	1	9	1				2		
Fort Wayne, Ind	63,933	16	2		10				1		3		2	
Harrisburg, Pa	64,186	17	4	1	11		4				12	4		
Hartford, Conn	98,915	21	15	1	2		9				4	2		
Hoboken, N. J	70,324	5			2		3							
Houston, Tex	78,800	27	1				1		2			4		1
Jacksonville, Fla	57,699	25			1		2		2			3	2	
Johnstown, Pa	55,482	18			21		3				7	2		
Kansas City, Kans	82,331	18			8		2		1			1	1	
Lawrence, Mass	85,892	22			11		3				4	4		
Lynn, Mass	89,336	12	2		6		2				5	1	1	
Manchester, N. H	70,063	22	1								2	2		
New Bedford, Mass	96,652		1		9		3				6	2		
Oklahoma City, Okla	64,205	17			6		3				3	1		
Passaic, N. J	54,773	17	1	1	4		1							
Peoria, Ill	66,950	16	2				3	1				1		
Portland, Me	58,571	13	2		2	1	1						1	3
Reading, Pa	96,071	31	5		7		7				3			1
San Antonio, Tex	96,614	48	2		2							7	2	1
Schenectady, N. Y	72,826	18			2		4				2	3		
South Bend, Ind	53,684	19	2		2		5					4	1	1
Springfield, Ill	51,678	20	2											
Springfield, Mass	88,926	17	6		14		3				3	1	1	1
Tacoma, Wash	83,743		1		1		18		3					
Terre Haute, Ind	58,157	16	1		3		2	1						
Trenton, N. J	96,815	35									6	3	9	1
Utica, N. Y	74,419	19			10		1				1	5		
Waterbury, Conn	73,141				1		5				2	1		
Wichita, Kans	52,450	14			4									
Wilkes-Barre, Pa	67,105	20	5		5		2				6	1	1	
Wilmington, Del	87,411	14										1		1
Yonkers, N. Y	79,803	24		1	60		19	1			9	5		

MORBIDITY AND MORTALITY—Continued.

Weekly morbidity and mortality table, cities of the United States, for week ended June 10, 1911—Continued.

Cities.	Population, United States census 1910.	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Smallpox.		Tuberculosis.		Typhoid fever.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Cities having from 25,000 to 50,000 inhabitants.														
Atlantic City, N. J.	46,150	10			6		3							
Auburn, N. Y.	34,668	7	1				2				5	1		
Aurora, Ill.	29,807						1							
Berkeley, Cal.	40,434	8			2		1				1			
Binghamton, N. Y.	48,443	9	1		11							1		
Brookline, Mass.	27,792	4			15		1							
Butte, Mont.	39,165	15	1				3		1			1		
Chattanooga, Tenn.	44,604												2	
Chelsea, Mass.	32,452	14	20		15		5				3	2		1
Chicopee, Mass.	25,401	8			3		1							
Danville, Ill.	27,871	6			2				6					
Dubuque, Iowa	38,494	7										1		
East Orange, N. J.	34,371	3			1		1				2			
Elmira, N. Y.	37,176	13	2		46		1				5	1	1	1
Everett, Mass.	33,484	8	1		16						1			
Haverhill, Mass.	44,115	8	1				1				5			
Hazleton, Pa.	25,452		2	1	1		1							
Kalamazoo, Mich.	39,437	10	1				1				3	2	2	
Knoxville, Tenn.	36,346	17							3			5		
La Crosse, Wis.	30,417	8	2				1							
Lancaster, Pa.	47,227	19	2		5		2				4	1		1
Lexington, Ky.	35,099	9			1						11	1		
Lynchburg, Va.	29,494	17			13						1			
Malden, Mass.	44,404	6			21		3				1	1	1	
Montgomery, Ala.	38,136				2						2	3	4	
Mount Vernon, N. Y.	30,919				3									
New Britain, Conn.	43,916	12	2								3	1		
Newcastle, Pa.	36,280		2				2				2			
Newport, Ky.	30,309	14	1				2				1			
Newton, Mass.	39,806	7	2		5		1							
Niagara Falls, N. Y.	30,445	18	1		7								1	
Norristown, Pa.	27,875	11			6							1		
Orange, N. J.	29,630	12	4		3						1	3		
Pasadena, Cal.	30,291											1	1	
Pittsfield, Mass.	32,121	2					1							
Portsmouth, Va.	33,190	24			4				2				1	
Poughkeepsie, N. Y.	27,936	7			9		1				2			
Racine, Wis.	38,002	11										2		
Roanoke, Va.	34,874	15	4		5						1	3	3	1
Salem, Mass.	43,697	8	1			1							1	
San Diego, Cal.	39,578	13					4				3	3		
San Jose, Cal.	28,946	7					2							
Shenandoah, Pa.	25,774	11		1				1						
South Omaha, Nebr.	26,259	4					1		1					
Superior, Wis.	40,384	15	3				3					1		1
Taunton, Mass.	34,259	10	4	1										
Waltham, Mass.	27,834	3	1								5			
West Hoboken, N. J.	35,403		4		3		2							
Wheeling, W. Va.	41,641	13	3	1	33		4				1		1	
Williamsport, Pa.	31,860	10	1		5	1								
Zanesville, Ohio	28,026	9	1									3		
Cities having less than 25,000 inhabitants.														
Ann Arbor, Mich.	14,817	10			1						3			
Bennington, Vt.		5												
Cambridge, Ohio	11,327	3			1							1		
Camden, S. C.											2		2	
Carbondale, Pa.	17,040	4	1		1		2							
Clinton, Mass.	13,075	2	1									1		
Coffeyville, Kans.	12,687	5			2		1				1			
Columbus, Ga.		7												
Columbus, Ind.		4										1		
Concord, N. H.	21,497	3			1									
Cumberland, Md.	21,839	9	1	1								1	3	
Dunkirk, N. Y.		4							3	1		1		
Galesburg, Ill.	20,089	2												

MORBIDITY AND MORTALITY—Continued.

Weekly morbidity and mortality table, cities of the United States, for week ended June 10, 1911—Continued.

Cities.	Population, United States census 1910.	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Smallpox.		Tuberculosis		Typhoid fever.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Cities having less than 25,000 inhabitants.														
Gloucester, Mass	24,398	6										1		
Harrison, N. J	14,498	3	4	1										
Homestead, Pa	18,713	5		1	20									
Hyde Park, Mass	15,507	4	1				1							
Kearny, N. J	18,659	2	1								3			
Kokomo, Ind	17,012	3	1						3				1	1
Lebanon, Pa	19,240	5	2		1									
Manistee, Mich	12,381						2							
Marinette, Wis	14,610	5									1	1	1	
Marlboro, Mass	14,579	2												
Massillon, Ohio	13,879	2												
Melrose, Mass	15,715	5			9		2							
Moline, Ill	24,199	8	1	1	2		2					1		
Montclair, N. J	21,550	3			5		3				2	1		
Morristown, N. J	12,507	3	1										1	
Nanticoke, Pa	18,877	9												
Newburyport, Mass	14,949	5									2			
North Adams, Mass	22,019	5					1							
Northampton, Mass	19,431	6			3									
Ottumwa, Iowa	22,012	1					2							
Palmer, Mass		1												
Peekskill, N. Y		4	1		12								3	
Plainfield, N. J	20,550	5	1									1	1	
Portsmouth, N. H	11,200				1									
Pottstown, Pa		8			1								1	
Rutland, Vt	13,546	3			1				1			1	1	
Sandusky, Ohio		2			1								1	
Saratoga Springs, N. Y		3									1	1	1	
South Bethlehem, Pa	19,973	4			1		1				2	1		
Steelton, Pa	14,246	5			1						6	3		
Warren, Ohio							1							
Warren, Pa	11,080				2									
Wilkinsburg, Pa	18,294	5									1			
Woburn, Mass	15,308	4	1		1									

STATISTICAL REPORTS OF MORBIDITY AND MORTALITY, STATES AND CITIES OF THE UNITED STATES (untabulated).

FLORIDA.—Reports from the State board of health show as follows:

Week ended June 10, 1911. Leprosy present in 2 localities (Jacksonville and Key West) with 2 cases, malaria in 5 localities with 19 cases, smallpox in 6 counties with 24 cases, tuberculosis in 3 localities with 9 cases, typhoid fever in 5 localities with 12 cases.

Week ended June 17, 1911. Malaria present in 5 localities with 32 cases, smallpox in 1 county (Duval) with 14 cases, tuberculosis in 4 localities with 7 cases, typhoid fever in 5 localities with 12 cases.

KANSAS.—Month of April, 1911. Population 1,690,949. Total number of deaths from all causes not reported. Deaths include diphtheria 4, measles 6, scarlet fever 11, tuberculosis 72, typhoid fever, 2. Cases reported: Diphtheria, 37, measles 1,854, scarlet fever 316, smallpox 244, tuberculosis 246, typhoid fever, 20.

MAINE.—*Portland.*—Four weeks ended March 4, 1911. Population 58,571. Total number of deaths from all causes 87, including diphtheria 1, tuberculosis 7, typhoid fever 2. Cases reported: Diphtheria 7, scarlet fever 4, typhoid fever 1.

Four weeks ended April 1, 1911. Total number of deaths from all causes 99, including diphtheria 1, measles 1, tuberculosis 8, typhoid fever 3. Cases reported: Diphtheria 10, scarlet fever 5, typhoid fever 2.

Four weeks ended April 29, 1911. Total number of deaths from all causes 92, including measles 1, tuberculosis 8. Cases reported: Diphtheria 9, scarlet fever 4, typhoid fever 5.

MICHIGAN.—Morbidity, month of May, 1911. Population, 2,810,173. Communicable diseases include diphtheria, 226 in 53 localities measles, 709 in 100 localities; scarlet fever, 483 in 95 localities; smallpox, 98 in 52 localities; tuberculosis, 182 cases; typhoid fever, 76 cases.

NORTH DAKOTA.—Month of May, 1911. Population, 577,056. Total number of deaths from all causes 245. No deaths from contagious diseases. Cases reported: Diphtheria 11, measles 34, scarlet fever 22, smallpox 5, tuberculosis 4.

WISCONSIN.—Months of January, February, March, 1911. Population, 233,815. Total number of deaths from all causes 8,046, including diphtheria 85, measles 48, scarlet fever 67, tuberculosis 702, typhoid fever 66. Cases reported: Diphtheria 626, measles 1,863, scarlet fever 1,581, smallpox 134, typhoid fever 211.

FOREIGN AND INSULAR.

AUSTRIA.

TRIESTE—Fatal Case of Cholera on Steamship.

Vice Consul de Martini reports June 26 the occurrence of a fatal case of cholera on the steamship *Oceania*, arrived June 24 from New York via Naples.

BRAZIL.

MANAOS—Yellow Fever.

The American consular agent reports the occurrence of 2 deaths from yellow fever during the two weeks ended June 25.

CANADA.

Typhus Fever on Steamship at Grosse Isle Quarantine.

Acting Asst. Surg. Bailey at Quebec reports June 16 the arrival of the steamship *Sardinian* at Grosse Isle quarantine station June 14, with a case of typhus fever on board in the person of a steerage passenger.

The *Sardinian* left London June 1 for Havre and Montreal.

CHINA.

AMOY—Plague.

Acting Asst. Surg. Bonthius reports May 24:

For the week ended May 20 there were reported 31 deaths from plague.

CUBA.

Transmissible Diseases.

The following information was issued by the national department of sanitation:

MAY 10-20, 1911.

Diseases.	New cases.	Deaths.	Under treatment.
Tuberculosis	57	80	2,422
Leprosy	3	1	355
Malaria	41		128
Typhoid fever	30	3	71
Diphtheria	16		22
Scarlet fever	21		27
Measles	132	3	354
Varicella	20		42
Tetanus in the new born		2	1
Filariasis	2		2

No quarantinable diseases were reported in the island during the week ended June 17.

ECUADOR.

Plague and Yellow Fever.

The following information was received from the director of public health:

May 16–31, 1911:

Plague.—At Guayaquil 2 cases, with 1 death, were reported.

Yellow fever.—At Guayaquil 11 cases, with 5 deaths, were reported; at Bucay 1 case; at Milagro 5 cases with 3 deaths.

GREECE.

ATHENS—Cerebrospinal Meningitis.

Consul General Gale reports the occurrence of 13 deaths from cerebro spinal meningitis during the two weeks ended May 27.

INDIA.

BASSEIN—Plague.

Vice Consul General Perry at Calcutta reports May 25:

An outbreak of plague was officially reported at Bassein May 17. The port has been declared infected and the Government regulations for the prevention of the spread of plague by maritime routes will be enforced in the ports of Orissa against arrivals from Bassein.

Bassein is a seaport town of about 11,000 population situated 30 miles north of Bombay.

CALCUTTA—Cholera, Plague, and Smallpox.

Acting Asst. Surg. Allan reports May 25:

During the week ended May 6 there were reported at Calcutta 41 deaths from cholera, 136 from plague, and 3 from smallpox; in all Bengal, 1,586 cases of plague, with 1,378 deaths; in all India, 36,251 cases of plague, with 30,904 deaths.

JAPAN.

Plague in Formosa.

Consul Reat at Tamsui reports the occurrence in Kagi prefecture, island of Formosa, of 144 cases of plague, with 123 deaths, during the three weeks ended May 20.

JAVA.

Cholera and Plague.

Consul Rairden at Batavia reports May 15:

During the week ended May 13 there were reported 80 cases of cholera, with 52 deaths. Sixty cases of plague, with 31 deaths, were reported in the districts previously reported infected. There was no spread of plague from the infected area during the week.

MEXICO.

AGUASCALIENTES—Typhus Fever.

Vice Consul Bretherton reports the occurrence of 20 deaths from typhus fever at Aguascalientes during the period from April 16 to June 4.

TRINIDAD.

PORT OF SPAIN—Examination of Rats—Sanitary Conditions.

Acting Asst. Surg. Layton reports June 10:

During the two weeks ended June 2, 1,636 rats were examined for plague infection. Of this number 544 were *Mus norvegicus*, 117 *Mus rattus*, and 975 *Mus musculus*. No plague-infected rats were found.

There is daily inspection of the port by an adequate sanitary force of all streets, premises, and public buildings. A rat brigade is actively employed in trapping and poisoning rodents. All the streets are paved and asphalted, and thoroughly drained, and the gutters are constantly flushed with water.

TURKEY.

Cholera at Samsun.

Consul Jewett at Trebizond reports June 4:

During the week ended June 2 there were reported at Samsun 77 cases of cholera with 46 deaths.

SMYRNA—Cholera—Quarantine Against Port Resumed.

Vice Consul Memminger reports May 30:

During the 10 days ended May 28 there were reported 24 cases of cholera with 14 deaths. The quarantine at Ottoman ports against Smyrna, which was suspended May 18, was again put into effect May 22.[1]

VENEZUELA.

Plague at Caracas.

Consul Manning at La Guaira reports June 5 the occurrence of a case of plague at Caracas May 24.

ZANZIBAR.

ZANZIBAR—Smallpox—Examination of Rats.

Consul Weddell reports:

During the three weeks ended May 14 there were reported 2 new cases of smallpox with 2 deaths. From the beginning of the outbreak June 8, 1910, to May 14 there were reported 271 cases. The number of persons vaccinated was 42,600.

During the three weeks ended May 17 there were examined 2,744 rats. No plague-infected rats were found.

CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX.

Reports Received During Week Ended June 30, 1911.

[These tables include cases and deaths recorded in reports received by the Surgeon General, Public Health and Marine-Hospital Service, from American consuls, through the Department of State, and from other sources.]

CHOLERA.

Places.	Date.	Cases.	Deaths.	Remarks.
Arabia:				
Hodeida	Apr. 23-29	[2] 5		Among the civil population.
Austria-Hungary:				
Trieste	June 24	1	1	On s.s. Oceania, from New York via Naples.
Waltendorf	May 21-29	1	1	Near Gratz.
China:				
Amoy	May 13			Present.
India:				
Calcutta	May 1-6		41	
Indo-China:				
Saigon	May 8-14	3		
Italy:				
Naples	June 19-24	33	13	
Palermo	June 24			Do.
Java:				
Batavia	May 6-13	80	52	
Straits Settlements:				
Singapore	May 1-6	2		
Turkey in Asia:				
Smyrna	May 11-28	13	7	

[1] See Public Health Reports, June 23, 1911, p. 986.
[2] Bulletin Quarantenaire d'Egypte, June 1, 1911.

CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX—Continued.

Reports Received During Week Ended June 30, 1911.

YELLOW FEVER.

Places.	Date.	Cases.	Deaths.	Remarks.
Brazil:				
Manaos				June 25, two deaths.
Ecuador:				
Bucay	May 16-31	1		
Guayaquil	do	11	5	
Milagro	do	5	3	

PLAGUE.

Brazil:				
Para	May 28-June 10	2	1	
Rio de Janeiro	May 14-20	1		
China:				
Amoy	May 13-20		31	
Hongkong	May 7-13	8	4	
Kaotak	Mar. 1-Apr. 30			Present.[1]
Lienchoufu	do			Do.
Lungtam	do			Do.
Mukden	Apr. 12	[2] 1		
Ecuador:				
Guayaquil	May 16-31	2	1	
India:				
Calcutta	May 1-6		136	
Indo-China:				
Saigon	May 8-14	12	1	
Japan:				
Formosa	May 7-13	93	78	
Peru:				
Salaverry	May 9-22	2	2	May 29, present in the district.
Venezuela:				
Caracas	May 24	1		

SMALLPOX.

Brazil:				
Para	May 28-June 10	7	4	
Rio de Janeiro	May 21-27	1	1	
Canada:				
Quebec	June 11-17	5		
Vancouver	June 4-10	1		
China:				
Hongkong	May 7-13	8	4	
France:				
Marseille	May 1-31		1	
Great Britain:				
Dundee	May 28-June 3	2		
Liverpool	do	1		
London	June 3	6		
India:				
Calcutta	May 1-6		3	
Madras	May 14-20	27	19	
Indo-China:				
Saigon	May 8-14	6	1	
Italy:				
Naples	May 28-June 3	12		
Java:				
Batavia	May 7-13	5	1	
Mexico:				
Aguascalientes	Apr. 17-May 21		6	
Mexico	May 7-20		35	
San Luis Potosi	May 22-June 3	9	9	
Talcahuana	May 7-20	16		
Portugal:				
Lisbon	May 28-June 3	25		
Russia:				
Libau	May 23-29	1		
Moscow	May 14-27	50	14	
Riga	May 6-27	28		
St. Petersburg	May 14-20	15	4	
Spain:				
Madrid	May 1-31		3	
Zanzibar	May 1-14	1	1	

[1] From the Veroffentlichungen des Kaiserlichen Gersundheitsamtes, June 8, 1911.
[2] Bulletin Quarantenaire d'Egypte, June 1, 1911.

CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX—Continued.

Reports Received from Dec. 31, 1910, to June 30, 1911.

[For reports received from June 25, 1910, to Dec. 30, 1910, see PUBLIC HEALTH REPORTS for Dec. 30, 1910. In accordance with custom, the tables of epidemic diseases are terminated semiannually and new tables begun.]

CHOLERA.

Places.	Date.	Cases.	Deaths.	Remarks.
Arabia:				
Bajil	Jan. 18-Feb. 12	49	41	
Hodeida	Jan. 23-Apr. 29	193	133	Apr. 18, present among troops.
Jebel Akhdar	Apr. 1-18			Present in remote villages.
Perim	Jan. 23			Present.
Maskat	Nov. 20-30	7	7	
Menaka	Jan. 19-Feb. 12	97	24	
Obal	Jan. 27-Feb. 12	3	3	
Zaida	do	27	15	
Austria-Hungary	Aug. 3-Nov. 7		2	Not previously reported.
Croatia and Slavonia	Dec. 4-17	5	2	
Maren	Oct. 1-9	3		
Hungary	Nov. 27-Dec. 17	9	3	
Trieste				Fatal case June 5 on s. s. Saxonia, from New York via Genoa and Naples, and June 24 fatal case on s. s. Oceania, from New York via Naples.
Waltendorf	May 21-29	1	1	Near Gratz.
Bulgaria:				
Tartar-Pazardjik	Jan. 10	2	2	
Varna	Nov. 29	2		From s. s. Bulgarie, 3 fatal cases having been reported on p. 1936, Vol. XXV.
Ceylon:				
Colombo	Dec. 11-24	4	3	
China:				
Amoy	May 9-13			Present.
Newchwang	Aug. 1-Nov. 22			Occasional cases.
Shanghai	Aug. 1-31		1	Reported out of date.
Hawaii:				
Honolulu	Feb. 25-Apr. 25	39	29	Total from Feb. 25-Mar. 14: Cases, 31; deaths, 22. Apr. 12-25: Cases, 8; deaths, 7.
India:				
Bassein	Mar. 5-May 6	14	12	
Bombay	Nov. 23-Mar. 18		109	Feb. 19-Apr. 22: Cases, 5.
Calcutta	Nov. 13-May 6		1,030	
Madras	Nov. 27-Apr. 29		17	Madras Presidency, Oct. 1-Dec. 31: Cases, 8,382; deaths, 4,546. Report for Oct. 16-31 not received. Jan. 1-Apr. 30: Cases, 16,052; deaths, 9,080.
Moulmine	Mar. 5-May 6	36	32	
Rangoon	Jan. 1-Apr. 30	90	67	
Indo-China:				
Saigon	Dec. 12-May 14	138	79	
Italy				Total for Italy, Dec. 27-Jan. 30: Cases, 111; deaths, 17. New outbreak, June 8-24: Cases, 47; deaths, 19.
Provinces—				
Aquila	Dec. 4-17	4	1	
Bari	Dec. 27-Jan. 30	5	2	
Caltanisetta	Dec. 4-10	1		
Caserta	Dec. 4-Jan. 14	15	3	
Catanzaro	Dec. 27-Jan. 6	2	2	
Serrastretta	June 14	2		
Cosenza—				
Lungro	do	1		
Lecce	Dec. 11-Jan. 30	111	13	
Naples—				
Naples	June 17-24	40	16	New outbreak.
Pianura	June 18	2	1	
Palermo—				
Palermo	Dec. 4-10	16	6	June 17-24, present.
Insane asylum	Dec. 4-Jan. 6	24	6	
Reggio di Calabria—				
Reggio	June 8	2	2	
Rome	Dec. 4-Jan. 6	10	7	
Salerno	Dec. 11-Jan. 6	10		

CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX—Continued.

Reports Received from Dec. 31, 1910, to June 30, 1911.

CHOLERA—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
Japan				Total for Japan, Sept. 14–Nov. 30: Cases, 2,770; deaths, 1,923, including cases and deaths appearing on p. 1937, Vol. XXV.
Aiche ken	Oct. 16–Nov. 20	3	3	
Ehime ken	Sept. 23–Nov. 30	27	19	
Formosa	Nov. 20–Dec. 17	11	6	Mainly in Kelung and Taihoku.
Fukuoka ken	Sept. 30–Nov. 30	234	165	
Hiogo ken, Kobe	Sept. 12–Nov. 30	607	396	
Hiroshima ken	Sept. 25–Nov. 30	58	30	
Kagawa ken	Oct. 2–Nov. 30	293	201	
Kagoshima ken	Oct. 28–Nov. 30	4	3	
Kochi ken	Oct. 18–Nov. 30	70	42	
Kyoto fu	Sept. 30–Nov. 30	143	119	
Kumamoto ken	Oct. 18–Nov. 30	19	11	
Miye ken	Oct. 11–Nov. 30	8	5	
Nagasaki ken	Oct. 16–Nov. 30	26	11	Dec. 12–25, 5 cases, 1 death.
Nara ken	Oct. 3–Nov. 30	31	23	
Oita ken	Oct. 10–Nov. 30	2	1	
Okayama ken	Sept. 29–Nov. 30	71	49	
Osaka fu	Sept. 17–Nov. 30	951	692	
Saga ken	Oct. 4–Nov. 30	51	31	
Shiga ken	Nov. 20–30	7	6	
Shimane ken	Oct. 24–Nov. 30	7	5	
Tokushima ken	Oct. 3–Nov. 30	59	37	
Tokyo fu	Oct. 18–Nov. 30	1	1	
Wakayama ken	Oct. 6–Nov. 30	57	44	
Yamaguchi ken	Oct. 12–Nov. 30	41	29	
Java				Bali, Praja, Feb. 1–28: Cases, 294; deaths, 174. Lombok, Djouggat: Cases, 284; deaths, 201. Celebes, Apr. 13–May 4: Present.
Batavia	Nov. 13–May 13	291	197	Including 13 Europeans.
Samarang	Sept. 11–Feb. 10	620	534	
Surabava	Oct. 23–Apr. 9	28	15	
Surakarta	Apr. 1–15		100	Estimated.
Tanjong-Priok	Apr. 24			Present.
Korea:				
Seoul	Oct. 26–Nov. 5	1	1	
Madeira				Total for Madeira, Nov. 16–Feb. 8: Cases, 1,774; deaths, 555, including report, p. 1938, vol. XXV.
Funchal	Nov. 16–Feb. 8	635	210	
Calheta	Dec. 9–31	1		
Camara dos Lobos	Nov. 16–Feb. 8	513	160	
Michico	do	278	75	
Ponto do Sol	do	195	71	
Santa Cruz	do	89	26	
Porto Santo Island	Nov. 10–Feb. 8		13	
Moluccas:				
Amboyna	Feb. 17–Mar. 2	12		Including 2 Europeans.
Persia:				
Ardestan	Nov. 30			Present.
Assadabad	Oct. 5–Nov. 8		61	
Birjend	Nov. 10			Do.
Chalfaroud	Jan. 3			Do.
Enzeli	Nov. 8–25	9	11	Present in vicinity and in Pire-Bazar.
Hamadan	Oct. 6–Dec. 3	42	22	
Kashan	Nov. 30			Present.
Kasri-Churine	Oct. 13–20		5	
Kerman	Nov. 22–Dec. 24	106	51	
Kermanchah	Nov. 5–10		6	
Mohammerah	Nov. 13–Dec. 5	11	3	
Mollag-Ali	Nov. 20	6		
Resht	Nov. 19–Dec. 3	48	42	Present in all villages in vicinity.
Turbat-i-Hibari	Oct. 10–Nov. 15	66	25	
Philippine Islands:				
Manila	Nov. 6–Dec. 31	9	6	Third quarter, 1910: Cases, 195; deaths, 141. Fourth quarter: Cases, 22; deaths, 11.
Provinces				Third quarter, 1910: Cases, 5,657; deaths, 4,089. Fourth quarter: Cases, 576; deaths, 412.
Albay	Dec. 24–Mar. 11	59	47	
Bulacan	Nov. 6–Feb. 4	18	15	
Ilocos Sur	Nov. 6–Dec. 17	58	38	
Mindoro	Nov. 6–Feb. 25	37	27	
Rizal	Nov. 6–Feb. 18	41	32	
Union	Nov. 6–12	3	1	

CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX—Continued.

Reports Received from Dec. 31, 1910, to June 30, 1911.

CHOLERA—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
Russia				Total for Russia, Nov. 20-Feb. 4: Cases, 1,230; deaths, 303. From May 8-Feb. 4: Cases, 216,796; deaths, 100,982. Apr. 21-May 8: Cases, 7; deaths, 2.
Baku government—				
Baku	Nov. 6-Dec. 17	6	2	
Batum	Dec. 4-10	2	1	
Don territory	Nov. 6-19	6	2	
Erivan government	Nov. 6-Dec. 10	4	4	
Ferghana territory	Nov. 6-19	6	6	
Kharkov government	Nov. 6-12	2		
Kazan government	Nov. 6-Jan. 7	2	1	
Kherson government	Nov. 6-Dec. 3	4	4	
	Apr. 28-May 8	1		New outbreak.
Kief government	Nov. 6-Feb. 4	45	18	
Kuban territory	Nov. 6-13	4	4	
Lublin government	Nov. 20-26	31	13	
Minsk government	Apr. 21-29	4	1	Do.
Mohilev government	Nov. 6-19	2	1	
Novorossysk	Apr. 28-May 3	1	1	Do.
Orenburg government	Nov. 13-24	15	6	
Oufa government	Nov. 6-12	2	1	
Perm government	Nov. 20-26	1		
Podolia government	Nov. 13-Jan. 28	11	4	
Rjasan government	Nov. 6-12	2		
St. Petersburg government	do	2		
St. Petersburg	Nov. 6-Dec. 31	32	16	
Samara government	Nov. 6-19	6		
Saratov government	Nov. 13-26	8	6	
Siberia, eastern	Nov. 16-19	12	3	Vladivostok, Oct. 29-Nov. 13: Cases, 4; deaths, 17. See p. 1939, Vol. XXV.
Syr Darya territory	do	7	4	
Taurida government—				
Sebastopol	Nov. 13-Dec. 3	7	4	
Tambov government	Nov. 13-Dec. 10	86	34	
Tiflis government	Nov. 6-26	2		
Vitebsk government	Nov. 6-19	3	2	
Veronesch government	Nov. 6-12	2		May 8, 1 case.
Yekaterinoslav government	Nov. 6-Jan. 14	65	34	
Siam:				
Bangkok	Nov. 6-Apr. 15	1,274	1,264	
Straits Settlements:				
Singapore	Dec. 25-May 6	9	6	
Sumatra				Mar. 7, present in Soembawa, Batangkapas, Taloe, and Timbelon. Mar. 25, present at Solok.
Bambel	Dec. 29			Present.
Bandong	Mar. 1-7			Present in vicinity.
Biagmoeti	Nov. 14			Present.
Keretan	Dec. 29			Do.
Pengoeloedjahar	Nov. 14			Do.
Tripoli:				
Amrousse	Sept. 20-Dec. 8	6	5	
Hani	do	3	2	
Tripoli	Nov. 15-Dec. 8	37	37	Total Sept. 20-Dec. 8: Cases, 323; deaths, 233.
Turkey:				
Adrianople Vilayet	Nov. 21-Dec. 15	60	60	94 cases and 34 deaths reported, p. 1940, Vol. XXV.
Constantinople	Nov. 22-Jan. 16	841	529	Total from Sept. 13-Jan. 16: Cases, 1,318; deaths, 793.
Do	May 29-June 3	3		New outbreak.
Saloniki Vilayet	Dec. 11-31	50	25	
Turkey in Asia:				
Bagdad Vilayet	Nov. 20-Jan. 16	119	115	Total Oct. 16-Jan. 16: Cases, 819; deaths, 723.
Basra	Nov. 6-26	10	9	
Medina	Jan. 22-Feb. 28		667	
Mekka	Dec. 26-Jan. 28	153	142	Feb. 5, present.
Samsun	May 27-June 2	77	46	Nov. 20-Dec. 6, 6 fatal cases.
Smyrna	Nov. 20-Feb. 14	331	200	
Do	Apr. 26-May 28	24	14	
Trebizond	Nov. 20-Dec. 18	107	42	And vicinity.
Yembo	Jan. 7-Feb. 13	37	37	
Zongouldak	Nov. 20-Dec. 16	9	6	
At sea	June 8		1	On s. s. Berlin bound for New York from Naples.

CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX—Continued.

Reports Received from Dec. 31, 1910, to June 30, 1911.

YELLOW FEVER.

Places.	Date.	Cases.	Deaths.	Remarks.
Barbados	May 8-June 7	2	1	
Brazil:				
Bahia	Apr. 16-26		14	
Ceara	Apr. 1-30	1	1	
Manaos	Dec. 4-May 20		166	June 25, present.
Para	Nov. 27-June 10	189	85	Mar. 12, 1 case from the British s. s. Cearense. June 21, present.
Pernambuco	Mar. 1-Apr. 30		2	
Rio de Jane ro	Feb. 21-Mar. 11	1	1	
British Gold Coast:				
Accra	May 29			Present.
Dominican Republic:				
Santiago de los Caballeros				Sept., 1910, present.
Ecuador:				
Bucay	May 16-31	1		
Guayaquil	Nov. 1-May 31	199	85	Including 14 cases with 3 deaths, in April, on a coaling vessel at dock.
Milagro	Apr. 1-May 31	9	5	
Naranjito	Mar. 1-May 15	6	1	
San Antonio, hacienda	Mar. 1-31	1	1	
Gambia:				
Bathurst	Mar. 29			Present.
Honduras:				
Puerto Cortez	Jan. 21-29			1 fatal case on U. S. S. Marietta.
Mexico:				
Frontera	June 7	1		From Laguna, Campeche.
Salina Cruz	Mar. 4	1	1	From s. s. Opland from Guatemalan ports.
Portuguese Guinea	May 24			Present.
Venezuela:				
Caracas	Dec. 4-Feb. 28	57	16	Nov. 22-Dec. 3, 5 deaths.
La Guaira	Dec. 1-15	1	1	Jan. 22-27, 1 fatal case in Canton suburb.
Macuto	Dec. 1-7	1		
Maiquetia	Nov. 29	1		

PLAGUE.

Arabia:				
Maskat	Mar. 26-May 20	78	56	
Azores:				
Terceira	Dec. 24			Present.
Brazil:				
Bahia	Oct. 29-June 10	67	54	
Para	Apr. 2-June 10	12	8	
Pernambuco	July 1-Apr. 15		16	
Rio de Janeiro	Jan. 1-May 27	21	11	Nov. 1-Dec. 31: Cases, 19; deaths, 5.
Sao Paulo	Jan. 8-Feb. 25	3	3	
British East Africa:				
Kismayu	May 19			Present.
British Egyptian Sudan:				
Suakin	Apr. 20-23	1		On s. s. Sultana.
Chile:				
Arica	Jan. 26-Feb. 5	5	1	Dec. 28-May 1, present.
Iquique	Jan. 1-May 6	29	12	
Pisagua	Feb. 7-Apr. 7	9	7	
China:				
Amoy	Jan. 21-May 20		42	Jan. 21-Apr. 29, present in Amoy Island; and Mar. 26-Apr. 8, 15 deaths. Three of these cases were of the pneumonic form.
Kulangsu	Jan. 1-21	3	3	
Changtu	Jan. 14			Present.
Hongkong	Apr. 24-May 13	38	22	
Lastak	Mar. 1-Apr. 30			Do.
Lienchoufu	do			Do.
Lungtam	do			Do.
Pakhoi	Apr. 1	20	20	
Paoting-fu	Jan. 24			Do.
Peking	do	2		
Shantung Province				Total, Jan. 12-Apr. 13: Deaths, 3,060.
Chefoo	Jan. 15-Apr. 15		1,100	
Chinchowfu	Mar. 12-18		36	
Laichow	Apr. 15		300	
Pingtau	Mar. 12-18			Present.

CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX—Continued.

Reports Received from Dec. 31, 1910, to June 30, 1911.

PLAGUE—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
China—Continued.				
Tengchowfu	Feb. 4		30	
Sioke	Dec. 6-Jan. 4			Present in the interior 60 miles from Amoy.
Swatow	Jan. 28-May 20			Present in vicinity.
Tientsin	Jan. 21-Mar. 18		27	Jan. 17-Feb. 20, 60 cases.
Wangkochuang				Feb. 25, present.
Manchuria				Total for Manchuria, Oct. 25-Feb. 3: Cases, 1,176 Chinese, 40 Europeans; deaths, 1,164 Chinese, 37 Europeans. Total deaths to Mar. 29, 42,756
Ah Cheng	To Mar. 9		1,451	
An Feng Line	Feb. 13		41	
Ashihe	Dec. 25-Jan. 13	2		Feb. 10: Deaths, 300 daily.
Buhedu	Oct. 30	3	3	
Changchun	Jan. 1-Mar. 27		2,695	
Chang Tu	To Mar. 9		428	
Chen An	Mar. 7		88	
Cheng Te	Mar. 10		672	
Ching Chow	To Mar. 2		36	
Ching Hsi	Mar. 4		19	
Dalny	Jan. 11-Feb. 8	66	60	
Dunzenshan	To Dec. 25-Feb. 3		22	
Fa Ku	To Mar. 3		217	
Feng Hua	To Feb. 13		149	
Fenting Province	To Mar. 29		7,137	
Fuchiatien				Nov. 8-Mar. 18: Deaths, 5,149.
Fushun	To Mar. 9		66	
Hailar	Dec. 6-Feb. 5		86	
Harbin				And vicinity, Nov. 8-Mar. 18: Deaths, 1,554 Chinese; 54 Europeans.
Heilung	Feb. 27		8	
Heilungkiang	Jan. 7-Mar. 29		13,739	
Hsinintun	To Mar. 7		328	
Hsi An	Feb. 28		111	
Hsi Feng	Mar. 4		31	
Hual Te	To Mar. 8		795	
Hu Lan	Dec. 31-Mar. 8		1,562	
Iaomin	Dec. 25-Jan. 13	1	1	
I Chow	To Mar. 1	79		
I Lan	Mar. 9		143	
Kai Yuan	To Mar. 7		211	
Kang Ping	Feb. 28		159	
Kirin	Jan. 7-Mar. 29		21,880	
Kuantchentzi	Jan. 1-Feb. 3	8	3	
Kwang Ning	To Mar. 9		204	
Lalo Chung	Feb. 27		33	
Liao Yang	Mar. 3		45	
Liao Yuan	Mar. 9		21	
Lan Hsi	Mar. 5		344	
Liesania vetka Handaohedzy.	Dec. 25-Jan. 13	9	9	
Lochagri	Dec. 27	4	4	
Loshagoon	do	4		
Maneduria, station	Dec. 7-26		95	
Moershan	Jan. 1-20	1	1	
Mukden	Jan. 1-Mar. 10		1,656	Mar. 5-31, 236 cases; Apr. 12, 1 case.
Ning An	Feb. 18		9	
Ning Yuan	Mar. 4		67	
Pan Shan	Feb. 24		3	
Pa Yeu	Mar. 4		489	
Pen Hsi	To Mar. 11		17	
Pinchow	Jan. 28-Mar. 7		1,254	
Sanshane	Jan. 1-20	3	3	
Shing King	To Mar. 7		8	
Shu Chung	Feb. 16		76	
Sui Hua	To Mar. 8		1,198	
Swang Cheng	To Mar. 6		5,517	
Tieh Ling	Jan. 14-Mar. 3		73	
Tchjalainarskiy	Nov. 11-Dec. 3	104	106	Cases previously reported, 14; deaths, 12.
Tchjalantum	Nov. 21-Jan. 14		42	
Te Huai	To Feb. 25		225	
Tun Fa	Feb. 6		9	
Turehiha	Oct. 30	4	4	
Tzaltzzaigoy	Jan. 1-20	2	2	

CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX—Continued.

Reports Received from Dec. 31, 1910, to June 30, 1911.

PLAGUE—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
Ecuador:				
Babahovo	Dec. 16-Jan. 15	16	4	
Duran	Dec. 16-Mar. 31	11	5	
Guayaquil	Nov. 1-May 31	267	208	
Milagro	Jan. 1-Mar. 15	10	5	
Egypt:				
Alexandria	Jan. 4-May 30	7	2	Nov. 29-Dec. 24, 5 cases, 2 deaths.
Cairo	Feb. 11	1	1	
Port Said	Apr. 8-13	2	2	
Provinces—				
Assiout	Jan. 1-May 31	185	93	Dec. 1-29, 50 cases, 24 deaths.
Assouan	Jan. 1-Apr. 26	491	307	
Behera	Jan. 1-17	3	.....	
Beni Souef	Feb. 7-May 22	3	.....	
Dakahlieh	May 20-28	5	2	
Favoum	Mar. 15-May 28	42	32	
Galioubeeh	Feb. 28-May 21	3	1	Nov. 22-Dec. 2, 1 case, 1 death.
Garbieh	Mar. 3-May 31	8	3	
Girgeh	Apr. 2-18	17	14	
Gizeh	Jan. 1-June 1	10	5	
Kena	Jan. 14-May 30	505	392	
Menouf	Jan. 1-May 29	61	39	Dec. 2-22, 26 cases, 14 deaths.
Minieh	Feb. 22-May 31	99	31	
German East Africa:				
Muanza	Nov. 16-Mar. 22	30	6	
Great Britain:				
Glasgow	May 30-June 1	1	1	From s. s. City of Benares from Kurrachee.
Hawaii:				
Honokaa	Jan. 31-Apr. 19	3	3	
India:				
Bahrein Island	May 2-14	.....	205	In Persian Gulf.
Bombay	Nov. 23-May 20	.....	3,476	Feb. 19-May 20, 3,687 cases.
Calcutta	Nov. 13-May 6	.....	1,038	
Kurrachee	Nov. 19-May 20	2,399	2,217	
Madras	Dec. 11-17	.....	1	
Rangoon	Jan. 1-Apr. 30	415	389	Dec. 11-31, 10 deaths.
Bombay Presidency and Sind.	Oct. 29-May 6	51,755	36,373	
Madras Presidency	do	8,299	6,847	
Bengal	do	73,079	60,226	
United Provinces	do	313,969	281,310	
Punjab	do	146,678	121,423	
Burma	do	4,285	4,053	
Eastern Bengal and Assam	Jan. 29-May 6	11	9	
Central Provinces	Oct. 29-May 6	31,288	24,114	
Coorg	Oct. 29-Apr. 15	24	12	
Mysore State	do	9,534	6,787	
Hyderabad State	do	7,027	5,910	
Central India	do	9,492	7,930	
Rajputana and Ajmere Merwara.	Oct. 29-May 6	24,327	19,859	
Kashmir	Nov. 6-May 6	1,181	671	
North West Province	Dec. 10-May 6	269	194	
Grand total		681,218	575,718	Jan. 1-May 6, 593,009 cases, 507,561 deaths.
Indo-China:				
Saigon	Nov. 14-May 14	121	30	
Japan:				
Formosa	Jan. 22-May 13	246	205	In the southern part. In Kagi Province, May 1-20, 144 cases, 123 deaths.
Java:				
Batavia	Apr. 7	.....	.....	Present. Feb. 18—Present among pilgrims on a steamer from Jiddah in quarantine 10 miles distant.
Pasoeroean Residency, Malang.	Mar. 1-May 13	340	201	May 6, present in Japara and Surabaya.
Mauritius	Dec. 30-Mar. 30	116	53	Sept. 30-Dec. 29: Cases, 511; deaths, 290.
New Caledonia:				
Noumea	Sept. 17	.....	.....	Present.
New Zealand:				
Auckland	Mar. 21	3	1	From Onehunga.
Persia:				
Buchir	Apr. 23-May 13	24	18	

CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX—Continued.

Reports Received from Dec. 31, 1910, to June 30, 1911.

PLAGUE—Continued.

Places.	Dates.	Cases.	Deaths.	Remarks.
Peru:				
Departments—				
Ancachs	Feb. 1-Mar. 18	15	2	Mar. 4, present at Casma.
Arequipa	Nov. 1-Apr. 30	36	12	
Mollendo				May 6, 2 cases.
Cajamarca	Feb. 1-28	7	5	
Callao	Nov. 1-Apr. 30	8	2	
Chiclayo	Mar. 1-Apr. 30	18	6	
Lambayeque	Nov. 1-Apr. 30	57	26	
Libertad	do	251	103	Dec. 10-Mar. 11, present in Chicama Valley. Mar. 1, present in Moche and Viru. Trujillo, May 8, 16 cases in lazaretto. Salaverry, May 22, present.
Lima	Nov. 1-Apr. 1	40	21	Lima—Feb. 19-Mar. 11: Cases, 9; deaths, 3. Mar. 11: Catacaos, epidemic.
Huarochiri	Mar. 1-18	1		
Pacasmayo	Mar. 19-Apr. 30	4	4	
Piura	Nov. 1-Mar. 18	77	41	
Portuguese East Africa:				
Nahoria	May 26			Present.
Russia:				
Astrakhan Government—				
Abil-Isken	Nov. 22-29	4	4	
Kirghiz Steppe	Dec. 17-Feb. 7	106	88	
Kolden	Dec. 6-13	8	3	
Koybal	Dec. 10-13	5	1	
Kulken Island	Oct. 13-Nov. 4	5	5	
Nauraali-Tehaygal	Nov. 23-29	5	5	
Neuren	Nov. 17-21	1	1	
Trans-Caucasia				Total from Oct. 23-Nov. 24: Cases, 28; deaths, 5.
Petrovosk	Nov. 23	1	1	
Sanitza-Olivianna	Nov. 22	1	1	
Baku	Dec. 17	1	1	
Batum	do	1	1	
Odessa	Jan. 1-Mar. 5	3	2	Dec. 9, 1 death.
Siam:				
Bangkok	Nov. 27-Apr. 15	50	44	
Straits Settlements:				
Singapore	Nov. 13-Apr. 22	4	4	
Trinidad	Feb. 8-May 10	7	2	
Turkey in Asia:				
Basra	May 7-13	2	2	
Jiddah	Dec. 16-Apr. 24	37	32	
Venezuela:				
Caracas	Apr. 10-May 24	9	1	Nov. 9, present.

SMALLPOX.

Abyssinia:				
Adis Ababa	Nov. 20-Feb. 11			Present.
Algeria:				
Algiers	Mar. 1-31		1	
Arabia:				
Aden	Jan. 9-Apr. 10	126	15	And vicinity.
Berbera	Dec. 9-Jan. 9			Epidemic.
Bulhar	Jan. 25			Present.
Maskat	Jan. 1-21	3		1 case from a British naval vessel.
Zeila	Jan. 25			Present.
Argentina:				
Buenos Aires	Oct. 1-Mar. 31		35	
Rosario	do		37	
Australia:				
Adelaide				Sept., 1910, 1 case on s. s. Kazembe from Singapore.
Austria-Hungary:				
Bohemia	Apr. 9-22	3		
Galicia	Mar. 12-May 27	29		
Krain	Mar. 5-May 6	10		
Trieste	Apr. 16-May 13	4	1	
Barbados:				
Bridgetown	Jan. 14	1		From steamship Cara from Rio de Janeiro.
Belgium:				
Antwerp	Mar. 26-Apr. 29	3		

CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX—Continued.

Reports Received from Dec. 31, 1910, to June 30, 1911.

SMALLPOX—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
Brazil:				
Bahia	Oct. 29-Jan. 6	62	31	
Para	Nov. 27-June 10	81	22	
Pernambuco	July 1-Apr. 30		1,764	
Rio de Janeiro	Jan. 1-May 27	10	5	Nov. 14-Dec. 31, 6 cases.
Sao Paulo	Jan. 8-Mar. 11	2	1	
Canada:				
British Columbia—				
Fernie	Feb. 19-Apr. 1	10		
Vancouver	Jan. 1-June 10	29		
Victoria	Dec. 11-Feb. 28	59		
Grosse Isle Quarantine Station.	May 3	2		From s. s. Dominion from Liverpool.
Manitoba—				
Winnipeg	Apr. 2-29	3		
New Brunswick—				
Campbelltown	Apr. 4-10	1		
Moncton	Jan. 29-Feb. 11	15		
Newcastle	Dec. 18-May 27	13		Jan. 14-June 17, in vicinity.
St. Marys	Apr. 9-15	1		
Newfoundland—				
St. Johns	Mar. 12-18	2		
Nova Scotia—				
Halifax	Jan. 1-May 6	13		
Louisburg	Dec. 25-Feb. 4	9		
Sydney	Jan. 22-June 3	10		
Ontario—				
Cornwall	Jan. 1-May 25	4		
Fort William	Apr. 3-May 29	7		
Ottawa	Dec. 18-June 10	93	1	
Sarnia	Mar. 19-Apr. 8	2		
Prince Edwards Island	Mar. 1-Apr. 29	150		In a French settlement 70 miles from Summerside.
Charlottetown	Mar. 29-May 16	24	1	
Quebec—				
Paspiebiac	May 21-27	1		
Quebec	Feb. 12-June 17	25		Total for Province of Quebec, Apr. 28: Cases, 300.
Yukon—				
Dawson	June 8	4		
Ceylon:				
Colombo	Nov. 13-Apr. 22	41	9	
Chile:				
Coquimbo Province	Dec. 13-30			Present in two localities.
Iquique	Nov. 13-19		1	
Punta Arenas	Nov. 1-30	1		
Tulcahuano	Nov. 13-Dec. 17	23		
Valparaiso	Nov. 20-May 6	700		Deaths not generally reported. Jan. 8-14, 2 deaths; May 20, present.
China:				
Amoy	Mar. 8-14		8	Mar. 25-Apr. 8, still present in vicinity.
Canton	Dec. 11-17	26	3	
Chefoo	do			Present among natives.
Chungking	Nov. 13-May 6			Present.
Hankow	Mar. 26-Apr. 1			Do.
Hongkong	Dec. 4-May 13	142	88	
Manchuria—				
Dalny	Nov. 27-Feb. 11	2	1	
Nanking	Nov. 20-Apr. 29			Present.
Shanghai	Nov. 21-May 21	61	193	Deaths among natives.
Swatow	Jan. 1-7			Present 25 miles inland; Jan. 21-May 20, present in vicinity.
Tsintau	Jan. 8-Apr. 22	27	1	May 20, present.
Colombia:				
Cartagena	Jan. 15-May 21			Present.
Ecuador:				
Guayaquil	Apr. 22			One case from s. s. Manavi from Manta.
Egypt:				
Alexandria	Jan. 1-Mar. 31	27	21	Nov. 1-Dec. 31, 1 case, 2 deaths.
Cairo	Dec. 3-May 20	29	9	
Port Said	Dec. 17-May 20	52	34	
France:				
Marseille	May 1-31		1	
Paris	Dec. 3-May 27	87		
Gambia	Apr. 8			Present.

CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX—Continued.

Reports Received from Dec. 31, 1910, to June 30, 1911.

SMALLPOX—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
Germany				Total for Germany, Dec. 4–June 3, cases 146.
Bremen	May 21–27	1		
Hamburg	May 14–June 10	3		
Magdeburg	Mar. 19–Apr. 8	3		
Gibraltar	Jan. 16–Apr. 23	6		
Great Britain:				
Dublin	Jan. 15–21	1		
Dundee	May 7–June 3	3	1	
Glasgow	Apr. 30–May 5	2		
Leith	Dec. 11–17	2		From a steamship from Oporto.
Liverpool	Jan. 29–June 3	10		
London	Feb. 19–June 3	277	8	
Nottingham	Mar. 12–18	1		
Guatemala:				
Estora	May 21			Present.
Quirigua	do			Do.
Guiana:				
Georgetown	May 15	1		
Hawaii:				
Honolulu	Jan. 3–May 4	5		Jan. 3, 3 cases on s. s. Kiho Maru from Manzanillo. Feb. 18, 1 case on s. s. Chiyo Maru from Yokohama.
Olaa	May 4	1		
Hilo				In vicinity Mar. 14–30, 9 cases, including 3 reported Mar. 26 at Waiakea.
Kona	Mar. 22	1		
Maui—				
Puuene	Jan. 24	39		
Waikapu	Jan. 31	1		
India:				
Bombay	Dec. 6–May 20		321	Feb. 19–Apr. 29, 513 cases.
Calcutta	Nov. 6–May 6		48	
Madras	Nov. 20–May 20	863	391	
Rangoon	Jan. 1–Apr. 30	1,354	512	Nov. 20–Dec. 31, 6 deaths.
Indo-China:				
Saigon	Nov. 14–May 14	531	90	
Italy:				
Genoa	Feb. 1–May 31	15		
Naples	Dec. 4–June 3	567	209	
Palermo	Jan. 8–June 3	208	79	
Turin	Jan. 8–May 5	5		
Japan:				
Formosa	Mar. 19–25	1		
Kobe	Dec. 26–Apr. 8	6	1	Dec. 26–Jan. 1, 2 cases from s. s. Shimosa from New York via ports.
Nagahama	Mar. 23	1		From s. s. Luceric from Hongkong via ports.
Yokohama	May 20	1		From s. s. Siberia, from San Francisco via Honolulu; removed to quarantine at Nagaura.
Java:				
Batavia	Dec. 26–May 13	17	1	
Lourenco Marquez	Mar. 1–31	2		
Malta:				
Valetta	Dec. 4–Jan. 28	4		
Mexico:				
Aguascalientes	Dec. 25–May 21		68	
Chihuahua	Jan. 30–May 21	8	4	
Ciudad Porfirio Diaz	May 14–20		1	
Ensenada	Mar. 12–May 20	35	5	
Frontera	May 28–June 3	2		
Guadalajara	Jan. 29–June 10		3	
Juarez	May 14–June 10	22	1	
Mexico	Dec. 11–May 20		189	Reports from Jan. 8–28 not received.
Monterey	Dec. 19–Apr. 16		2	
Nogales	May 21–27	3		
Salina Cruz	May 14–20	1		
San Juan Bautista	May 25–June 13	60	19	
San Luis Potosi	Nov. 13–June 3	185	40	Jan. 26, present in the interior of the State.
Talcahuana	May 7–20	16		
Tampico	Dec. 2–June 10	141	37	Present in Dona Cecilia, La Barra, and Tancol.
Vera Cruz	Mar. 15–18	1	1	From a sailing vessel.

CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX—Continued.

Reports Received from Dec. 31, 1910, to June 30, 1911.

SMALLPOX—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
Morocco:				
Tangier	Mar. 19-25			Epidemic.
Netherlands:				
Rotterdam	Dec. 11-Jan. 28	4		
New Zealand:				
Lyttelton	Dec. 30	1		On s. s. Knight of the Garter from Karotzu, Japan.
Peru:				
Salaverry	Jan. 25-Mar. 21	17	2	Jan. 10-Feb. 7, present.
Truxillo	Dec. 19		2	Dec. 19-Jan. 7, present in vicinity.
Philippine Islands				Third quarter, 1910: Cases, 11; deaths, 0; fourth quarter, 19 cases.
Portugal:				
Lisbon	Dec. 3-June 3	379		Oct. 30-Dec. 31, deaths, 48. Year 1910, 286. Jan. 1 - May 6, deaths, 51.
Russia:				
Libau	Dec. 5-May 29	11	4	
Moscow	Nov. 15-May 27	407	136	
Odessa	Nov. 20-May 20	45	9	
Riga	Dec. 11-May 27	196		Oct. 1-Dec. 31, deaths, 82. Jan. 1-Mar. 31, deaths, 57.
St. Petersburg	Nov. 13-May 20	681	188	
Warsaw	Oct. 9-Mar. 18		49	
Siberia:				
Vladivostok	Nov. 22-Mar. 21	36	5	
Siam:				
Bangkok	Dec. 21-Apr. 15	17	13	
South Africa:				
Cape Town	Mar. 5-Apr. 29	4		
Johannesburg	Mar. 17-Apr. 29	18	6	
Spain:				
Barcelona	Dec. 5-May 26		3	Mar. 12, present.
Madrid	Nov. 1-May 31		37	
Seville	Jan. 1-May 31		14	
Valladolid	Mar. 1-11			Epidemic.
Valencia	Nov. 27-June 4	107	4	
Straits Settlements:				
Penang	Jan. 1-Apr. 29	83	28	Nov. 6-Dec. 31: Cases, 69; deaths, 68.
Singapore	Nov. 13-May 6	134	34	
Switzerland	Apr. 2-29		2	
Cantons—				
Aargau	Jan. 29-Mar. 18	58		
Baselstadt	Feb. 19-25	1		
Bern	Dec. 12-Apr. 15	21		
Turkey:				
Constantinople	May 8-June 4		3	Dec. 19-25, death, 1.
Turkey in Asia:				
Adana	Mar. 14		1	
Beirut	Dec. 4-May 27	70	6	
Kharput	Apr. 2-May 20	40	3	
Smyrna	Dec. 18-May 6	3		
Uruguay:				
Montevideo	Oct. 1-Mar. 31	67	21	
Zanzibar:				
Zanzibar	Oct. 31-May 14	82	55	

MORTALITY.

WEEKLY MORTALITY TABLE, FOREIGN AND INSULAR CITIES.

Cities.	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from— Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Typhoid fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Aberdeen	June 3	163,084	45									1		4
Aguascalientes	Apr. 23	40,000	55	1				3	8					
Do	Apr. 30		53	3				1				2		
Do	May 7		59	4				1	1					
Do	May 14		36						2					
Do	May 21		40					1	4			1		
Do	May 28		51						3			1		
Do	June 4		39	1					2					
Aix-la-Chapelle	May 27	156,376	50	5								1		
Amsterdam	do	576,691	112	16									4	2
Antwerp	June 3	327,668	67	8						1			1	
Asuncion	May 6	75,000	21	1						1				
Athens	May 20	250,010	64	17						2				
Do	May 27		55	11						3	1			
Baracoa	June 3	27,000	6	1						1				
Barcelona	June 5	591,272	290	18						2		2	6	1
Barranquila	June 3	40,000	27	3						1				
Basel	do	136,000	35	9									3	
Belgrade	do	90,050	33								2			
Berlin	May 27	2,073,844	521	76							7	13	8	13
Birmingham	June 10	575,545	117								2		1	1
Bombay	May 20	977,822	707	36	163			21					9	
Bradford	May 13	297,780	76	5						1				
Do	May 20		79	4										2
Do	May 27		72	7						2				1
Do	June 3	288,723	76	5								1		1
Do	June 10		62	6								1		1
Birmingham	June 3	575,545	147								1	1	2	
Bremen	do	246,850	68	7								2		
Bristol	do	387,511	107	5							1		5	3
Brussels	May 27	720,030	122	19							1	2	1	
Budapest	do	950,610								1	4			
Do	June 3									1	14	5		
Calcutta	May 6	890,493	498	39	136	41		3						
Cairo	May 20	682,953	747	40				1	11	1	11	13	11	
Catania	May 27	220,000	54	2									1	
Christiania	June 3	245,000	76	11										5
Cienfuegos	May 27	30,100	24											
Do	June 3		20	2						1				
Chemnitz	do	292,825	78	13								1		1
Cologne	do	519,740	143	15							1	1	4	7
Colombo	May 6	211,184		20						3				
Do	May 13		116	15						8				
Constantinople	May 28	1,000,000	204	29						1	2	1		
Copenhagen	May 27	462,000	119	15						1	2		1	1
Dresden	May 20	548,900	152	23						4		2		
Do	May 27		142	20						2		4	2	2
Dundee	June 3	171,006	47	5										5
Do	June 10		36	4								1		
Edinburgh	June 3	320,829	89	13										4
Frankfort on Main	May 27	414,800	75								1	2	1	
Georgetown	do	56,000	52	5						1		1		
Do	June 3		51	4						2				
Ghent	June 3	165,965	46	6						1				
Glasgow	June 9	784,655	288								2	1	11	22
Do	June 16		242									3	9	21
Gottenborg	June 3	168,000	32	5								1		1
Do	June 10		*80						1					
Guadalajara	June 17	118,799	87						1					
Hamburg	May 27	932,166	220	29						1	4	14	1	3
Do	June 3		241	20							2	13	4	2
Do	June 20		282	32							3	15	4	
Kharput	May 20	21,000						1					3	
Havre	June 2	136,159	56	13						1				
Hongkong	May 13	336,488			4			4						
Hull	June 3	278,968	54								1	1	2	2
Do	June 10		63										1	3
Johannesburg	May 13	220,304	188	25						10			2	
Kobe	May 21	404,851	149									1		
Kurrachee	May 20	148,000	270		189									

MORTALITY—Continued.

Weekly mortality table, foreign and insular cities—Continued.

Cities.	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from— Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Typhoid fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Leeds	June 3	445,568	125	11							1	2	2	3
Leipzig	do	585,743	149	12							1	4	1	1
Leith	do	80,674	24	3								2		2
Liege	May 27	174,768	44	9										4
Liverpool	June 3	747,637	261	21						1	4	1	11	7
Do	June 10		214	17					1		2	1	7	7
London	June 3	7,645,716	1,546							4	4	10	43	37
Lyon	May 27	520,775	157	35								4		2
Do	June 3		134	36								2		
Madras	May 20	550,000	371					19		1			6	
Magdeburg	May 27	277,011	88	11						1		9		
Manaos	do	52,000	48	1			3							
Do	June 3		26	2			2							
Manchester	do	631,533	226	29					1	1		1	14	7
Mannheim	May 27	195,450	41	11							1			
Maracaibo	Apr. 7	50,000	26	5						2				
Do	Apr. 14		14	1					2	1				
Do	Apr. 21		12	2										
Do	Apr. 28		29	4						3				
Do	May 5		27	3						1				
Do	May 12		13	2						1				
Do	May 19		19							3				
Do	May 26		12	1					1	2				
Do	June 2									3				
Maskat	May 10				5									
Mexico	May 13		432	22				11	27		3	2	4	2
Do	May 20		444	26				24	19		3	2	3	1
Monterey	June 11	100,000	80	19								1	2	
Do	June 18		62	6						1	5		1	
Moscow	May 20	1,500,000	756	87				7	7	1	13	12	8	2
Do	May 27		786	87				7	2	1	13	9	14	6
Munich	May 21	597,000	170	29								1		2
Do	June 3		181	32								2		1
Nagoya	May 6	402,101	105									1		
Nantes	May 28	161,908	48	14						1		1		
Do	June 4		63	16						2				
Nottingham	May 27	259,942	86								1			1
Odessa	May 20	546,000	156	29				1	3	1		2	2	3
Do	May 27		159	20					1	1	2	3	1	1
Palermo	June 3	340,000	169					7		5	6			
Para	do	185,000	76	7	1			3						
Do	June 10		96	13				1						
Paris	June 3	2,846,986	897	196						4	7	5	31	11
Plymouth	do	124,180	38										2	
Port Elizabeth	May 20	32,248	12	2							1			
Prague	May 27	235,556	68	12								1	2	
Do	June 3		87	10								1		
Saigon	May 14	206,000			1			1						
St. Petersburg	May 20	1,907,708	808	101				4		8	8	4	20	5
Salaverry	May 15	1,700			1									
Do	May 22				1									
San Luis Potosi	May 13	82,964	95	6				4	2					1
Do	June 3		111	8				5	1				8	1
Santa Cruz de Teneriffe	May 27	46,000	18	1					2					
Santiago de Cuba	June 3	53,614	13	2									1	
Sarnia	June 10	9,810								1				
Sheffield	May 27	454,653	104									1	3	
Do	June 3		109	6									3	
Singapore	May 6	303,328	419	39				2		1				
Southampton	June 3	119,394	34	3								2	2	1
Do	June 10		33	3							1		2	
Stockholm	May 13	343,832	75	22										
Do	May 20		86	14								1		
Do	May 27		87	13							1			
Swansea	May 20	115,100	43										2	1
Do	May 27		38									1	1	1
Do	June 3		33								1	1	3	1

MORTALITY—Continued.

Weekly mortality table, foreign and insular cities—Continued.

Cities.	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from—										
				Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Typhoid fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Talcahuana	Apr. 29	28,000		3						1				2
Do	May 6			3						1				2
Do	May 13												2	1
Do	May 20												3	
Tampico	June 10	23,452	51					2				1	1	
Trieste	May 27	229,499	74										2	
Do	June 3		97										1	1
Turin	May 27	401,555	147	23									2	2
Vancouver	June 10	126,000	13	3							1			
Valencia	June 4	240,000	87	2				1						
Venice	Apr. 22	184,325	76	7						1				
Do	Apr. 29		67	6						1				
Do	May 6		57	8						1				
Do	May 13		48	4						3			1	2
Do	May 20		64	8										
Do	May 27		57	3										
Do	June 3		51	4						1				
Vienna	May 27	2,047,968	605	118						1	2	1	13	2
Warsaw	Apr. 1	797,093	266	32				3		2	2	2	1	2
Winnipeg	June 10	151,958	51	1									1	
Do	June 17		24	1						1	1	2		
Yokohama	May 29	419,630								1		1		

MORTALITY—FOREIGN AND INSULAR—COUNTRIES AND CITIES (untabulated).

AUSTRALIA—*Newcastle.*—Month of April, 1911. Population, 65,500. Total number of deaths from all causes 43, including diphtheria 1, tuberculosis 5, typhoid fever 2.

FRANCE—*Roubaix.*—Month of May, 1911. Population, 122,154. Total number of deaths from all causes 175, including diphtheria 1, scarlet fever 1, tuberculosis 32.

St. Etienne.—Two weeks ended May 31, 1911. Population, 150,000. Total number of deaths from all causes 114, including scarlet fever 1, tuberculosis 17.

GREAT BRITAIN.—Week ended June 3, 1911:

England and Wales.—The deaths registered in 77 great towns correspond to an annual rate of 13 per 1,000 of the population, which is estimated at 16,257,983.

Ireland.—The deaths registered in 21 principal town districts correspond to an annual rate of 17.1 per 1,000 of the population, which is estimated at 1,163,596. The lowest rate was recorded at Sligo, viz, 4.8, and the highest at Tralee, viz, 31.7 per 1,000.

Scotland.—The deaths registered in 8 principal towns correspond to an annual rate of 16.9 per 1,000 of the population, which is estimated at 1,710,291. The lowest rate was recorded at Aberdeen,

viz, 14.4, and the highest at Glasgow, viz, 19.2 per 1,000. The total number of deaths from all causes was 554, including diphtheria 4, measles 11, scarlet fever 2.

JAPAN—*Formosa.*—Four weeks ended May 20, 1911. Population, 3,290,186. Total number of deaths from all causes not reported. The deaths include diphtheria 1, plague 123, typhoid fever 5.

NEW ZEALAND.—Month of March, 1911:

Auckland.—Population, 101,446. Total number of deaths 81, including diphtheria 1, measles 1, typhoid fever 1.

Christchurch.—Population, 80,523. Total number of deaths 47, including tuberculosis 5.

Dunedin.—Population, 64,402. Total number of deaths 65, including diphtheria 1, tuberculosis 8.

Wellington.—Population, 78,243. Total number of deaths 67, including tuberculosis 7, typhoid fever 1.

SPAIN—*Almeria.*—Month of May, 1911. Population, 50,910. Total number of deaths from all causes 120, including tuberculosis 14, typhus fever 2.

Madrid.—Month of May, 1911. Population, 613,436. Total number of deaths from all causes 978, including diphtheria 5, measles 51, scarlet fever 2, smallpox 3, tuberculosis 136, typhoid fever 5, typhus fever 2.

Seville.—Month of May, 1911. Population, 154,315. Total number of deaths from all causes 512, including diphtheria 8, measles 49, smallpox 1, tuberculosis 70, typhoid fever 1.

TAHITI.—Three weeks ended June 2, 1911. Population, 4,000. Total number of deaths from all causes 2. No deaths from contagious diseases.

By authority of the Secretary of the Treasury:

WALTER WYMAN,
Surgeon General,
United States Public Health and Marine-Hospital Service.

PUBLIC HEALTH REPORTS.

INDEX TO VOLUME XXVI—PART I.

FROM JANUARY TO JUNE, INCLUSIVE, 1911.

A.

Page.

Acapulco, Mexico; morbidity statistics and health conditions, 1910 348
Aden, Arabia; smallpox 49
Alamo, steamship at Mobile quarantine, Alabama; smallpox 728
Alaska; sanitary conditions 631, 633
Amoy and vicinity, China; plague 49, 94, 151, 181, 295, 520, 573, 614, 743, 782, 829, 921, 1038
  Smallpox 362, 573, 782
  Cholera 699
Amsterdam, Netherlands; vital statistics, 1880–1909; comparative 783
Anderson, John F., passed assistant surgeon; experimental measles in the monkey 847, 887
  An attempt to infect the rhesus monkey with blood and spinal fluid from pellagrins 1003
Antityphoid vaccination for beneficiaries of the service 719
Athens, Greece; cerebrospinal meningitis 434, 477, 743, 830, 984, 1039
  Detention of emigrants 434, 477

B.

Bakeries, control and maintenance; Seattle, Wash 957
Bangkok, Siam; quarantine against Singapore removed 439
  Cholera 985
  Plague 985
  Smallpox 985
Barbados; yellow fever 699, 871
Barber shops, regulation of; Perth Amboy, N. J 723
Bassein, India; plague 1039
Batavia, Java; plague on steamship 479
  Plague 525
  Cholera 617, 924, 1039
Beachy, steamship, at Seattle, Wash.; beriberi 27
Beriberi:
  In South Carolina 281
  On steamship Beachy, at Seattle, Wash 27
Berlin, steamship; cholera at sea 921
Boat note; fumigation of lighters, Shanghai 700
Bodies of persons dead of contagious diseases, preparation and burial of; Bridgeport, Conn 362
Bombay, India; precautions against plague 478
Bremen, Germany; emigrant inspection 224
Bridgeport, Conn.:
  Preparation and burial of bodies of persons dead of contagious diseases 362
  Meat inspection and abattoirs 362
  Protection of foodstuffs 955
Bridgetown, Barbados: Smallpox on steamship Cara from Rio de Janeiro 181

British East Africa: Plague— Page.
Kismayu..... 782
Nairobi..... 871
British Gold Coast; Accra; yellow fever..... 871
Bulgarie, steamship, at Varna; cholera (table)..... 1042

C.

Calcutta, India; cholera, plague, and smallpox..... 9, 29, 50, 96, 155, 182, 225, 263, 300, 347, 387, 389, 435, 577, 616, 662, 744, 783, 831, 872, 923, 984, 1039
Callao, Peru; plague..... 11, 31, 185, 479
Fumigation of vessels to destroy mosquitoes..... 98
Camden, N. J.; spitting ordinance..... 412
Campaign against plague-infected squirrels in California..... 544
Cara, steamship, at Barbados; smallpox..... 181
Caracas, Venezuela; yellow fever..... 12, 53, 126, 187, 302, 349
Plague..... 618, 986, 1040
Examination of rats..... 12
Plague rats..... 12
Cearense, steamship, at Para, Brazil; yellow fever..... 573
Cerebro spinal meningitis:
Athens..... 434, 477, 743, 830, 984, 1039
Patras..... 744, 984
Detention of emigrants on account of..... 434
History of the disease in Greece..... 1006
On vessels—
Manuel Calvo, at Habana..... 743
Chefoo, China; plague..... 123, 223, 614
Summary of plague deaths..... 574
Chicopee, Mass.; garbage and rubbish, removal of..... 502
China; typhus fever..... 743
China, steamship, at San Francisco, Cal.; rats..... 282
Chiyo Maru, steamship, at Honolulu; smallpox..... 225
Cholera:
United States; table..... 915, 977, 1014
Cholera cases at New York quarantine, N. Y..... 983, 1014
Cholera carrier at New York quarantine..... 1014
Measures against importation of cholera..... 1015
Foreign—
Weekly table..... 13, 32, 53, 99, 126, 157, 187, 228, 265, 302, 349, 391, 439, 480, 526, 578, 619, 664, 703, 745, 785, 832, 873, 926, 986, 1040
Cumulative table..... 34, 56, 101, 127, 158, 189, 230, 267, 303, 351, 392, 441, 482, 528, 580, 620, 666, 705, 746, 787, 833, 875, 928, 988, 1042
Arabia—
Hodeidah..... 94
Perim..... 94
Yemen..... 295, 344
Bulgaria—
Pazardjik..... 223
Varna..... 28
China—
Amoy..... 699
Hawaii—
Honolulu..... 263, 299, 346, 477, 524, 576, 662
Outbreak terminated..... 477
India—
Calcutta..... 9, 29, 50, 96, 123, 155, 182, 225, 263, 300, 347, 387, 435, 478, 577, 616, 662, 744, 783, 831, 872, 923, 984, 1039
Karachi, 1910..... 435
Rangoon..... 923
Italy..... 9, 30, 50, 96, 155, 183, 226
Lungro..... 921
Reggio di Calabria..... 921
Serrastretta..... 921
Japan—Summary from date of outbreak to November 30, 1910..... 31
Java—Batavia..... 617, 872, 924, 984, 1039
Madeira Islands..... 10, 51, 97, 156, 264, 301

Cholera—Continued. Page.
Foreign—Continued.
Philippine Islands—
Manila..... 52, 186
Provinces..... 52, 156, 186, 227, 265, 390, 526, 618
Russia..... 12, 53, 98, 156, 186, 265, 301, 348, 785, 926
Lublin..... 12
Siam—Bangkok..... 985
Turkey..... 985
Damascus..... 186
Medina..... 480
Samsun..... 873, 1040
Smyrna..... 187, 301, 349, 664, 986, 1040
Trebizond..... 439
On vessels:
Berlin en route to New York from Naples..... 921
Bulgarie, at Varna (table)..... 1042
Duca degli Abruzzi, at New York from Italian ports..... 983, 1014
Europa, at New York from Naples..... 921
Laura, at New York from Mediterranean ports; cholera carrier..... 1014
Oceania, at Trieste from New York via Naples..... 1038
Saxonia, at Trieste from New York via Naples..... 871, 921
Reappearance in Italy..... 96
Modification of restrictions in regard to emigrants from infected localities.. 475
Cholera carrier; on steamship Laura, at New York from Mediterranean ports... 1014
Circulars:
Inspectors at fruit ports; assignment of..... 570
Antityphoid vaccination..... 719
City of Benares, steamship, at Glasgow from Karachi—plague..... 922
Colombia; proposed sanitary stations..... 983
Columbus, Ohio:
Poliomyelitis, made notifiable..... 539
Protection of foodstuffs..... 759
Concord, N. H.: Poliomyelitis, notification and isolation..... 759
Contagious diseases; Taunton, Mass..... 678
Corpses, decree relative to entry and shipment, Peru..... 925
Cuba:
Quarantine against Yucatan raised..... 94, 345, 616, 922, 1038
Smallpox and vaccination..... 495
Transmissible diseases..... 94, 153, 224, 262, 299, 433, 661, 743, 829
Typhus fever on steamship Monterey at Habana..... 299

D.

Dalny, Manchuria; plague..... 98, 258
Damascus, Turkey; cholera..... 186
Dawson, Yukon Territory, Canada; smallpox..... 983
Des Moines, Iowa; outbreak of typhoid fever..... 63
Dominion, steamship, at Quebec quarantine, from Liverpool; smallpox (table). 1049
Dry closets; construction of; Lynchburg, Va..... 721
Duca degli Abruzzi, steamship, at New York quarantine; cholera..... 983, 1014

E.

Ecuador; campaign against yellow fever and malaria..... 434
Elgin, Ill., garbage collection..... 808
Ensenada, Mexico, smallpox..... 831
Establishments licensed for the propagation and sale of viruses, serums, toxins, and analogous products..... 137
Europa, steamship, at New York quarantine; cholera..... 921
Experimental measles in the monkey:
A preliminary note..... 847
A supplemental note..... 887

F.

Fall River, Mass.:
Medical inspection of schools..... 451
Milk, production, care, and sale..... 452

Page.

Feltsos, T. J., acting assistant surgeon, Athens, Greece; history of cerebrospinal meningitis in Greece 1006
Food stuffs—protection of:
Bridgeport, Conn 955
Columbus, Ohio 759
Lynn, Mass 502, 591
Minneapolis, Minn 807
Providence, R. I 411
Roanoke, Va 542
Seattle, Wash 897
Toledo, Ohio 760
Waterbury, Conn 760
Formosa; plague 924, 1039
Frontera, Mexico:
Yellow fever 872
Smallpox 924
Fort Wayne, Ind.:
Meat inspection 502
Garbage—transportation and carrying of 723
Fort William, Canada; smallpox outbreak 520
Freston, East Suffolk, England; rat plague 345
Fruit ports:
Assignment of inspectors 570
Circular of instructions 570
Fumigation of vessels to destroy mosquitoes at Callao 98

G.

Gambia, Africa; yellow fever 871
Garbage, rubbish, etc.—Removal:
Chicopee, Mass 502
Elgin, Ill.—Collection 808
Fort Wayne, Ind.—Transportation and carrying of 723
Geddings, H. D., surgeon, Naples; reappearance of cholera in Italy 96
Georgetown, Guiana; smallpox 922
German East Africa; plague 616
Germany:
Prohibited importations from China 387
Smallpox, Frankfort-on-Oder, district of 782
Gibraltar:
Quarantine against the Madeira Islands: cholera 28
Quarantine against Palermo removed 182
Quarantine against Madeira removed 662
Glasgow, Great Britain; plague on steamship City of Benares from Karachi 922
Goldberger, Joseph, passed assistant surgeon:
Experimental measles in the monkey 847, 887
An attempt to infect the rhesus monkey with blood and spinal fluid from pellagrins 1003
Grassick, Dr. J., secretary State board of health, North Dakota; a case of leprosy 852
Greece: Cerebrospinal meningitis 434, 477, 743, 830, 984, 1039
History of the disease in 1006
Grimm, R. M., assistant surgeon; the typhoid bacillus carrier 313
Grosse Isle quarantine, Canada; typhus fever on steamship 1039
Guatemala; smallpox 830
Guayaquil, Ecuador:
Plague 8, 28, 262, 345, 476, 661, 829, 984, 1038
Yellow fever 8, 28, 263, 345, 476, 661, 829, 984, 1038
Quarantine against, by Peru, modified 985

H.

Habana, Cuba; cerebrospinal meningitis on vessel 743
Harbin, China:
Status of plague 98, 182, 258, 295, 382, 475, 520, 574, 614
Plague conference 520
Hasseltine, H. E., assistant surgeon; sanitary conditions in Alaska 633
Haverhill, Mass.—Meat inspection 592

Page.
Hawaii; record of plague infection 29, 50, 95, 154, 182, 225, 263, 299, 346, 387, 434, 524, 577, 701, 744, 782, 830, 871, 922
Health authorities:
Board of health and commissioner, La Crosse, Wis.—Appointment, powers, and duties 639
Department of health, Roanoke, Va.; personnel, powers, and duties 500
Heg, Dr. Elmer H., commissioner of health, Seattle, Wash.; beriberi on steamship Beachy 27
Heiser, Victor G., chief quarantine officer, Philippine Islands; smallpox and vaccination 277, 495
Hongkong, China:
Plague 661
Plague-infected rat found 921
Honolulu, Hawaii:
Plague-prevention work 29, 50, 95, 154, 182, 225, 263, 300, 346, 387, 435, 477, 524, 577, 662, 701, 744, 783, 830, 872, 923
Smallpox on steamship from Manzanillo 8, 95
Smallpox on steamships Mongolia and Kiho Maru 95
Plague case at Honokaa 154
Smallpox on steamship Chiyo Maru 225
Cholera 263, 299, 346, 477, 524, 576, 662
Measles and scarlet fever on steamship 576
Smallpox 744
Hotels, etc.—Regulation and inspection; Minneapolis, Minn 412, 594
Houston, Tex.: Ice cream—Regulation of the manufacture 502

I.

Ice cream—Regulation of manufacture; Houston, Tex 502
Infectious diseases:
Control of; Waterbury, Conn 679
Notification, placarding, isolation, disinfection; Springfield, Mass 720
Irkutsk plague conference, resolutions 521
Italy; status of cholera 9, 30, 50, 96, 155, 183, 226
Reappearance of cholera 96
Declared free from cholera 227

J.

Japan:
Summary of cholera epidemic 31
Typhoid fever 31
Precautions against importation of plague 347
Epidemic diseases in Japan 664
Java; plague 783, 872, 924, 984, 1039
Juarez, Mexico:
Smallpox 783
Typhus fever 783

K.

Karachi, India; cholera, plague, and smallpox, 1910 435
Kiho Maru, steamship, at Honolulu, from Manzanillo; smallpox 8, 95
Knabenshue, Hon. Samuel S., consul general, Tientsin, China; epidemic pneumonic plague in North China 297, 344
Knight of the Garter, steamship, at Lyttleton, New Zealand, from Karotzu, Japan; smallpox 227
Kobe, Japan:
Quarantine measures against plague 300
Smallpox 783
Korea; measures against importation of plague 300

L.

La Crosse, Wis.—Board of health and commissioner of public health—Appointment, powers, and duties 639
La Guaira, Venezuela; yellow fever 228
Laura, steamship, at New York quarantine; cholera carrier 1014

Page.

Lavinder, C. H., passed assistant surgeon:
Pellagra and its possible relation to maize..... 199, 636
A note on the inoculation of the rhesus monkey with blood, spinal fluid, and nervous tissue of pellagrins..... 1005
Leprosy:
Florida..... 1014
Kansas..... 1014
North Dakota..... 852
Rhode Island..... 961
Libau, Russia:
Examination of emigrants..... 12, 32, 53, 125, 228, 265, 348, 438
Detention of emigrants discontinued..... 618
Smallpox..... 12, 32, 53, 125, 228
Lighters at Shanghai; fumigation of..... 615, 699
Luceric, steamship, at Nagahama; smallpox (table)..... 1050
Lumsden, L. L., passed assistant surgeon; report on outbreak of typhoid fever at Des Moines, Iowa..... 63
Lynchburg, Va.:
Stables—Regulation of..... 638
Dry closets; construction of..... 721
Lynn, Mass.:
Milk—Temperature and bacterial content..... 411
Protection of foodstuffs..... 502, 591

M.

McDermott, assistant, Hygienic Laboratory; report on an original form of sulphur burner for disinfection..... 403
Madeira Islands:
Cholera..... 10, 51, 97, 156, 264, 301
Funchal declared free from cholera..... 347
Malaria:
Campaign against—Ecuador..... 434
Tampico..... 185
Manavi, steamship, at Guayaquil, smallpox (table)..... 1049
Manchuria; plague..... 11, 51, 97, 124, 151, 182, 222, 258, 295, 344
Manuel Calvo, steamship, at Habana; cerebrospinal meningitis..... 743
Marietta, U. S. S., at Puerto Cortez, Honduras; yellow fever (not confirmed).. 155
Marmot skins, medium of plague transmission in North China..... 299
Maskat, Arabia:
Ports of Maskat and Muttra free from cholera..... 151
Plague..... 475
Measles:
Epidemic, at Sheffield, England..... 476
Experimental measles in the monkey..... 847, 887
On steamship at Honolulu..... 577
Meat inspection and abattoirs:
Bridgeport, Conn..... 362
Fort Wayne, Ind..... 502
Haverhill, Mass..... 592
Roanoke, Va..... 542
Mexico, measures against importation of smallpox from..... 829
Mexico City, typhus fever..... 925
Milk—Regulation of production, care, and sale:
New Bedford, Mass..... 806
Waterbury, Conn..... 849
Springfield, Mass..... 850
Passaic, N. J..... 897
Somerville, Mass..... 955
Tampa, Fla..... 1008
Fall River, Mass..... 452
Lynn, Mass..... 411
New York, N. Y..... 539, 592, 760, 761
Roanoke, Va..... 542
Minneapolis, Minn.:
Hotels, restaurants, and boarding houses—regulation and inspection.... 412, 594
Protection of foodstuffs..... 807

Page.
Mongolia, steamship, at Honolulu, from Yokohama, smallpox..... 95
Monkeys:
Experimental measles in—
Preliminary note..... 847
Supplemental note..... 887
An attempt to infect with blood and spinal fluid of pellagrins..... 1003
A note on the inoculation of the rhesus monkey with blood, spinal fluid, and nervous tissue from pellagrins..... 1005
Monterey, steamship, at Habana; typhus fever..... 299
Morbidity reports, Superior, Wis., ordinance..... 677
Morbidity and mortality table, cities of the United States; weekly reports:
Weeks ended—
December 17, 1910..... 3
December 24, 1910..... 23
December 31, 1910..... 44
January 7, 1911..... 89
January 14, 1911..... 118
January 21, 1911..... 146
January 28, 1911..... 176
February 4, 1911..... 219
February 11, 1911..... 254
February 18, 1911..... 291
February 25, 1911..... 339
March 4, 1911..... 376
March 11, 1911..... 426
March 18, 1911..... 468
March 25, 1911..... 516
April 1, 1911..... 563
April 8, 1911..... 610
April 15, 1911..... 656
April 22, 1911..... 695
April 29, 1911..... 738
May 6, 1911..... 777
May 13, 1911..... 825
May 20, 1911..... 867
May 27, 1911..... 916
June 3, 1911..... 978
June 10, 1911..... 1033
Morbidity and mortality, States and cities of the United States, untabulated:
Arkansas—Little Rock..... 918
California..... 257
San Diego..... 121
Colorado..... 342
Colorado Springs..... 5, 294, 918
Connecticut..... 121, 257, 380, 613, 780, 870, 981
Stamford..... 47, 179, 380, 519
Florida..... 6
25, 92, 121, 149, 179, 221, 257, 342, 431, 473, 519, 565, 613, 659, 698, 741, 780, 828, 870, 919, 981, 1037
Pensacola..... 26, 47, 92
Georgia—
Macon..... 659, 828
Illinois—
Alton..... 92, 179, 431, 698, 780
Peoria..... 257
Quincy..... 92, 566, 781
Indiana..... 6, 121, 294, 473, 659, 741, 781
Indianapolis..... 659, 698
Muncie..... 47, 221
Iowa..... 6, 343, 519, 742, 919
Cedar Rapids..... 92
Davenport..... 566
Dubuque..... 6
Kansas..... 121, 274, 473, 659, 698, 1037
Independence..... 222

Morbidity and mortality, etc.—Continued. Page.
Kentucky—
Henderson 93
Louisville 121, 180, 981
Louisiana—Shreveport 93, 222, 380, 566, 742, 981
Maine—Portland 1037
Maryland 121, 180, 431, 473, 519, 698, 919
Massachusetts 26, 828
Michigan 222, 343, 613, 659, 781, 828, 981, 1037
Minnesota 257, 431, 613, 781, 870
St. Paul 222
Stillwater 93, 381
Nebraska—South Omaha 48, 431, 474, 566
New Jersey 26, 180, 343, 519, 742, 919
New York 6, 93, 294, 343, 566, 742, 981
Rochester 48, 150, 381, 519, 698, 828
Rome 48, 659, 742, 919
Troy 150, 474
Watertown 431, 566
North Carolina 93, 474, 566, 659, 742, 781
Charlotte 566
North Dakota 6, 150, 381, 698, 919, 1037
Ohio—Youngstown 6, 48
Oklahoma 122, 222, 381, 781, 981
Watonga 6
Oregon 919
Portland 6, 180, 343, 474
Pennsylvania 6, 26, 93, 294, 432, 660, 742, 919
South Carolina—Charleston 93, 257, 432, 566, 781, 920
Texas 474, 519
Fort Worth 6, 48, 222, 381, 566, 781, 828, 981
Utah 26, 122, 381, 474, 613, 870
Virginia—Petersburg 27, 222
Wisconsin 742, 1037
Oshkosh 613
Mortality, weekly reports, foreign:
Table 15, 36, 59, 105, 133, 195, 237, 273, 310, 358, 399, 449, 489, 535, 587, 628, 674, 714, 755, 796, 843, 884, 938, 998, 1052
Untabulated:
Algeria—
Algiers 359, 757
Bona 17, 37, 237, 491
Argentina—
Buenos Aires 38, 197, 400, 589, 885, 940
Rosario 38, 197, 359, 589, 757, 940
Australia—
Brisbane 491, 757
Fremantle 197
New Castle 17, 107, 274, 449, 589, 885, 1054
Sydney 537
Austria-Hungary—Brunn 61, 165, 675, 844
Azores—St. Michael 17, 61, 400, 538, 999
Brazil—
Ceara 61, 275, 359, 715, 797, 999
Pernambuco 311, 400, 492, 589, 675, 844, 1000
Rio de Janeiro 38, 492, 590, 1000
British Burma—Rangoon 61, 197, 359, 757
British Guiana—Paramaribo 61
Canada—
Dawson 107, 237, 401, 940
Hamilton 134, 197, 401, 590, 757, 1000
Sherbrooke 107, 197, 797, 940
Vancouver 17, 134, 359, 757, 844
Chile—Punta Arenas 197, 311, 676, 797
Cuba—Santiago 238
Curaçao 107
Dominican Republic—Santo Domingo 359, 538
Dutch Guiana—Paramaribo 165, 449, 844

Mortality, weekly reports, foreign—Continued.
Untabulated—Continued. Page.
East Africa—Lourenço Marquez 107, 311, 1001
Egypt—Alexandria 38, 311, 844
Formosa 197, 238, 359, 716, 757, 885, 1000, 1055
France—
Calais 38, 107, 275, 449, 630, 844, 1000
Marseille 61, 166, 401, 492, 715, 844
Nice 449, 797
Roubaix 17, 135, 275, 491, 716, 845, 1054
St. Etienne 38, 61, 166, 238, 275, 449, 538, 716, 940, 1054
Toulon 17, 166, 275, 797
Great Britain 17, 38, 61, 108, 135, 166, 238, 275, 312, 359, 401, 449, 492, 538, 590, 630, 676, 716, 757, 797, 845, 885, 940, 1000, 1054
Salford 275
Greece: Patras 538, 630
Guadeloupe—Basse Terre 108
Italy—
Genoa 61, 135, 238, 275, 360, 449, 538, 676, 757, 798, 885, 1000
Messina 360, 716, 1000
Milan 18, 135, 312, 492, 845
Jamaica—Kingston 798, 1000
Lourenço Marquez 716
Malta 108, 197, 238, 275, 360, 630, 716, 885, 1001
Martinique: Fort de France 108
Mauritius 18, 166, 401, 538
New Zealand 108, 109, 238, 449, 450, 940, 1001, 1055
Porto Rico 18, 61, 109, 360, 492
Prince Edward Island—Charlottetown 135
Roumania 716
Bucharest 450
Russia—
Libau 18, 312, 716, 940
Riga 18, 197, 492, 885
Vladivostok 676
St. Thomas 492, 885, 1001
Siam—Bangkok 18, 109, 630, 758
Sierra Leone 109, 197, 450, 676, 885
South Africa—Johannesburg 62, 360, 716, 758, 845, 941
Spain—
Almeria 62, 135, 275, 450, 630, 798, 1055
Barcelona 798
Cadiz 62, 166, 360, 538, 885
Huelva 38, 197, 758
Madrid 62, 197, 360, 492, 676, 845, 1055
Seville 18, 360, 492, 676, 798, 1055
Tahiti 109, 197, 360, 538, 758, 798, 886, 1055
Tasmania—Hobart 18, 109, 401, 590, 886
Turkey—
Saloniki 109, 198, 360, 538, 758, 886
Smyrna 198
Turks Islands 62, 239, 401, 493, 717, 758, 1001
Uruguay—Montevideo 62, 135, 401, 590, 758, 941
Venezuela—La Guaira 18, 38, 198, 493
Mukden, China—
Plague 223, 574, 615
Declared free from plague 615

N.

Naples, Italy:
Examination of emigrants 9, 30, 51, 124, 155, 183, 226, 264, 388, 437, 478, 524, 577, 617, 663, 701, 872
Smallpox 9, 30, 51, 155, 184, 227, 264, 388, 437, 478, 525, 577, 663, 702, 744, 783, 831
New Bedford, Mass.:
Poliomyelitis—Notification, isolation, disinfection 411
M lk—Production, care, and sale 806
Newcnwang, China; train inspection 224

Page.
New Haven, Conn.—Poliomyelitis—Notification, isolation, disinfection 451
Newton, Mass.: Poliomyelitis—Children of infected households not to attend school 500
New York, N. Y.:
Milk—
Handling and shipping 539
Creameries and shipping stations 592
Pasteurization 760
Care and storage 761
New Zealand—Plague 702
North Dakota—Case of leprosy 852

O.

Oceania, steamship, at Trieste; cholera 1038
Opland, steamship, at Salina Cruz from Guatemalan ports; yellow fever 389
Odessa, Russia; plague 12, 53
Orange, N. J.—
Rabies—Notification of animals suspected of having 591
Sanitary and plumbing code—Amendment 809
Ordinances, rules, and regulations pertaining to public hygiene; municipal 361, 362, 411, 451, 500, 539, 591, 639, 677, 720, 759, 806, 849, 896, 955, 1008
Bridgeport, Conn.—
Preparation and burial of bodies of persons dead of contagious diseases .. 362
Meat inspection and abattoirs 362
Protection of foodstuffs 955
Camden, N. J.—Spitting 412
Chicopee, Mass.—Garbage, rubbish, and ashes; removal of 502
Columbus, Ohio—
Poliomyelitis made notifiable 539
Protection of foodstuffs 759
Concord, N. H.—Poliomyelitis—Notification and isolation 759
Elgin, Ill.—Garbage collection 808
Fall River, Mass.—
Medical inspection of schools 451
Milk—Production, care and sale 452
Fort Wayne, Ind.—
Meat inspection 502
Garbage, transportation and carrying of 723
Haverhill, Mass.—Meat inspection 592
Houston, Tex.—Ice cream—Regulation of manufacture 502
La Crosse, Wis.
Board of health and commissioner of health—Appointment, powers, and duties 639
Lynchburg, Va.—
Stables—Regulation of 638
Dry closets—Construction of 721
Lynn, Mass.
Milk—Temperature and bacterial content 411
Protection of foodstuffs 502
Minneapolis, Minn.—
Hotels, etc.—Regulation and inspection 412, 594
Protection of foodstuffs—Game, fish, poultry, meat 807
New Bedford, Mass.—
Poliomyelitis—Notification, isolation, disinfection 411
Milk—Production, care, and sale 806
New Haven, Conn.—Poliomyelitis—Notification, isolation, disinfection ... 451
Newton, Mass.—Poliomyelitis—Children of infected households not to attend school 500
New York, N. Y.—
Milk—
Care of cows and handling of milk 539
Regulations for creameries and shippers 592
Rules and regulations pertaining to pasteurization 760
Rules and regulations for the care and storage 761

Page.
Ordinances, rules, and regulations pertaining to public hygiene; municipal—Con.
Orange, N. J.—
Rabies—Notification of animals suspected of having..... 591
Sanitary and plumbing code; amendment..... 809
Passaic—Milk, care and sale of..... 897
Perth Amboy, N. J.—
Scarlet fever—Isolation, quarantine, disinfection..... 677
Barber shops—Regulation of..... 723
Providence, R. I.—Protection of foodstuffs—Markets..... 411
Roanoke, Va.—
Health department—Personnel, powers, and duties..... 500
Protection of foodstuffs—Milk, meat, fruit, vegetables, etc..... 542
Seattle, Wash.—
Bakeries, restaurants, kitchens..... 957
Protection of foodstuffs..... 897
Stables—Construction and maintenance..... 898
Somerville, Mass.—Milk—Regulation of the production and sale..... 955
Springfield, Mass.—
Infectious diseases—Notification, placarding, disinfection..... 720
Milk—Production, care, and sale..... 850
Superior, Wis.—Mortality reports..... 677
Tampa, Fla.—Milk—Regulation of production, care, and sale—Appointment of pure-food inspector..... 1008
Taunton, Mass.—
Contagious diseases—Isolation, burial..... 678
Privy vaults and cesspools..... 851
Swill, refuse, and offal collection..... 762
Toledo, Ohio—
Privies or water-closets—Residences to be supplied with..... 760
Protection of foodstuffs—Fruits..... 760
Washington, D. C.—
Milk—Suppression of tuberculosis in dairy cattle..... 638
Rabies—Prevention of..... 679
Poliomyelitis—Notification and isolation..... 896
Waterbury, Conn.—Infectious diseases—Control of..... 679
Protection of foodstuffs—
Fruits and vegetables..... 760
Milk, butter, and cheese..... 849
Ottawa, Canada: Typhoid fever outbreak..... 433, 475

P.

Palermo, Italy: Declared free from cholera..... 184
Para, Brazil:
Plague..... 614, 782, 871, 983
Yellow fever..... 782, 983
On steamship..... 573
Passaic, N. J.: Care and sale of milk..... 897
Pasteurization of milk, New York, ordinance..... 760
Peking, China: Plague..... 123
Pellagra and its possible relation to maize according to some recent views.... 199, 636
Pellagra in Rhode Island..... 961
Pernambuco, Brazil:
Sanitary conditions..... 8
Plague..... 8
Smallpox..... 8
Perth Amboy, N. J.:
Barber shops—Regulation of..... 723
Scarlet fever—Isolation, quarantine, disinfection..... 677
Peru:
Decree relative to entry and shipment of corpses..... 925
Quarantine against arrivals from Guayaquil..... 301
Quarantine against Guayaquil modified..... 985
Smallpox..... 525
Status of plague..... 11, 31, 98, 125, 185, 389, 438, 479, 525, 618, 702, 784, 925

Page.
Philippine Islands:
Cholera 52, 156, 186, 227, 265, 390, 526, 618
Death rate among Government employees 265
Health of islands 227
Interisland quarantine regulations 185
Smallpox and vaccination 277, 495
Photodynamic action of corn 199, 636
Plague-prevention work, United States:
Infected ground squirrels 39, 83, 111, 139, 167, 281, 505, 595, 643, 681, 724, 852, 900, 1015
Campaign against, in California 544
Distribution of poison 1, 19, 39, 83, 111, 139, 167, 209, 244, 281, 328, 365, 414, 456, 505, 549, 595, 643, 681, 724, 763, 810, 852, 900, 961, 1015
Record of plague infection 1, 19, 39, 83, 111, 139, 167, 209, 244, 281, 328, 365, 414, 456, 505, 549, 595, 643, 681, 724, 763, 810, 852, 900, 961, 1015
Rats collected and examined 2, 20, 40, 84, 112, 140, 168, 209, 282, 328, 365, 414, 456, 505, 549, 596, 644, 682, 724, 763, 810, 853, 900, 962, 1016
Rats from steamships 245, 415, 457
Squirrels collected and examined 2, 20, 40, 84, 112, 140, 168, 210, 245, 282, 329, 366, 415, 457, 550, 596, 644, 682, 725, 764, 811, 853, 901, 962, 1016
Other animals collected and examined 2, 20, 40, 84, 112, 140, 168, 210, 245, 282, 329, 366, 415, 457, 550, 596, 644, 682, 725, 764, 811, 853, 901, 963, 1017
Plague in Hawaii—Honokaa 123, 154, 616
Plague, foreign:
Weekly table 14, 33, 55, 100, 127, 157, 188, 228, 266, 302, 350, 391, 440, 480, 527, 578, 619, 665, 703, 745, 785, 832, 874, 927, 987, 1041
Cumulative table 35, 57, 103, 130, 161, 192, 232, 269, 306, 353, 395, 444, 485, 531, 583, 623, 668, 708, 749, 790, 837, 878, 932, 991, 1045
Arabia—Maskat 475
Brazil—
Para 614, 782, 871, 983
Pernambuco 8
British East Africa—
Kismayu 782
Nairobi 871
Chile—
Arica 98, 390, 479, 525, 618, 703, 785, 926
Iquique 390, 479, 525, 618, 703, 926
China, status 573
Amoy and vicinity 49, 94, 151, 181, 295, 520, 573, 614, 743, 782, 829, 921, 1038
Chefoo 123, 223, 574, 614
Hongkong 661
Manchuria 11, 51, 97, 124, 151, 182, 223, 258, 295, 344, 567, 574
Chang Chun 31
Dalny 98, 182, 258
Harbin 11, 151, 258, 295, 382, 475, 520, 574, 614
Kirin 31
Mukden 31, 223, 260, 574, 615
Peking 123
Shantung 386
Swatow 576, 983
Tientsin 94, 297
Ecuador—
Babahoyo 123, 262, 345
Duran 123, 262, 345, 661
Guayaquil 8, 28, 123, 262, 345, 476, 661, 829, 984, 1038
Milagro 262, 345, 476, 661
England—Freston, East Suffolk 345
German East Africa—Muanza 616

Page.
Plague, foreign—Continued.
India 9, 29, 50, 96, 123, 155, 182, 225, 263, 300, 347, 387, 435, 478, 577, 616, 662, 744, 783, 831, 872, 923, 984, 1039
Bassein 1039
Calcutta 9, 29, 50, 96, 123, 155, 182, 225, 263, 300, 347, 387, 435, 478, 577, 616, 662, 744, 782, 831, 872, 923, 984, 1039
Karachi, 1910 435
Rangoon 923
Japan—Formosa 924, 1039
Java 525, 783, 872, 924, 984
Batavia 525
Japara 925
Malang 783, 872, 924
Peru 11, 31, 98, 125, 185, 389, 390, 438, 479, 525, 618, 702, 784, 925
Callao 11, 31, 185, 389, 479, 702, 925
Portuguese East Africa—Nahoria ..... [1] 831
Russia—Odessa 12, 53
Siam—Bangkok 985
Trinidad 186, 348, 480, 618, 664, 703
Venezuela—Caracas 526, 618, 986, 1040
Plague rats:
Freston, England 345
Hongkong 921
Honokaa, Hilo 300
Shanghai 49
Plague on vessels:
City of Benares at Glasgow, from Karachi 922
Steamship at Batavia, Java 479
Sultana, at Suakin (table) 1045
Plague, pneumonic:
Epidemic in North China 297
Marmot skins as the medium of transmission 299
Plague:
Irkutsk conference, resolutions 521
Precautions against importation, Japan 347
Precautions against, Bombay 478
Quarantine measures, Kobe 300
Quarantine measures, Korea 300
Plague in Manchuria and its relation to the United States 567
Plumbing code, Orange, N. J., amendment 809
Poliomyelitis:
Cases and deaths reported in United States, 1910 (table) 242
Columbus, Ohio—Made notifiable 539
Concord, N. H.—Notification and isolation 759
New Bedford, Mass.—Notification, isolation, disinfection 411
New Haven, Conn.—Notification, isolation, disinfection 451
Newton, Mass.—Children of infected households not to attend schools 500
Washington, D. C.—Notification and isolation 896
Portuguese East Africa; plague 831
Portuguese Guinea; yellow fever 785
Privies and water-closets; ordinances:
Toledo, Ohio 760
Taunton, Mass 850
Providence, R. I.—Protection of foodstuffs 411
Puerto Cortez, Honduras:
Yellow fever on steamship Marietta 155
Sanitary conditions 831
Pure-food inspectors, appointment, Tampa, Fla 1008

Q.

Quebec, Canada, smallpox 743

R.

Rabies:
Orange, N. J.—Notification of animals suspected of having 591
Washington, D. C.—Prevention of 679
Rangoon, India—Comparative statistics; plague and smallpox 923

[1] Corrected in later report.

Page.
Rats; destruction of, on lighters, Shanghai 615, 699
Rat plague:
Caracas 12
Freston, East Suffolk, England 345
Hongkong 921
Honokaa, Hilo 525
Shanghai 49
Rats on vessels; examination of:
China, steamship, at San Francisco 282
Siberia, steamship, at San Francisco 245
Roanoke, Va.:
Health department—Personnel, powers, and duties 500
Protection of foodstuffs—Milk, meat, fruit, vegetables, etc 542
Roberts, N., passed assistant surgeon; report on an original form of sulphur burner for disinfection 403
Russia; cholera 12, 53, 98, 156, 186, 265, 301, 348, 785, 926

S.

Salaverry, Peru:
Epidemic plague 438
Restrictions enforced 438
Salina Cruz, Mexico; yellow fever on steamship Opland 389
Samsun, Turkey; cholera 1040
San Luis Potosi, Mexico; smallpox 185
Santiago de los Caballeros, Dominican Republic; yellow fever 521
Santo Domingo, Dominican Republic; port sanitary regulations 153
Sardinian, steamship at Grosse Isle quarantine, Canada; typhus fever 1038
Saxonia, steamship, at Trieste; cholera 871, 921
Scarlet fever:
Ordinance, Perth Amboy, N. J 677
On vessels—Steamship at Honolulu 577
Schools, medical inspection of, Fall River, Mass 451
Seattle, Wash.:
Protection of foodstuffs 897
Stables; construction and maintenance 898
Bakeries, etc., control and maintenance 957
Shanghai, China:
Smallpox 49
Plague rats 49
Fumigation, lighters 615, 699
Shantung Province, China; plague 386
Sheffield, Great Britain; epidemic measles 476
Shimosa, steamship, at Kobe; smallpox 97
Siberia, steamship:
Examination of rats on, at San Francisco 245
Smallpox on; Yokohama 984
Smallpox in the United States:
Prevalence and geographic distribution, year 1909 799
Prevalence and geographic distribution, year 1910 943
At Port Angeles, Wash 284
Weekly table 3, 21, 41, 85, 113, 141, 169, 211, 246, 266, 283, 329, 366, 416, 457, 506, 551, 597, 645, 683, 726, 765, 812, 854, 902, 963, 1017
Cumulative table 22, 42, 86, 114, 142, 171, 213, 247, 271, 284, 332, 368, 418, 468, 507, 553, 600, 646, 684, 728, 766, 814, 855, 904, 965, 1020
Smallpox in Hawaii:
Hilo, vicinity 701
Kona 435
Puuene, Maui 8, 29, 50, 123
Waikapu, Maui 123
Honolulu 744
Smallpox in foreign countries:
Weekly table 14, 33, 55, 100, 127, 158, 188, 229, 303, 391, 440, 481, 527, 579, 619, 665, 704, 745, 786, 833, 874, 927, 987, 1041
Cumulative table 36, 58, 104, 131, 162, 193, 234, 308, 397, 446, 487, 533, 585, 626, 671, 711, 752, 793, 840, 881, 935, 994, 1048

Smallpox in foreign countries—Continued. Page.
Arabia—
Aden 49
Berbera 223
Bulhar 223
Zeila 223
Brazil—Pernambuco 8
Canada—
Fort William 520
Quebec, Province 743
Yukon Territory—Dawson 983
Chile—
Talcahuano 12, 32, 125
Valparaiso 32, 98, 125, 525, 618, 703, 785, 926
China—
Amoy 792
Swatow 983
Cuba 495
Germany—Frankfort-on-Oder, district 782
Guiana—Georgetown 922
Guatemala—
Estora 830
Quirigua 830
India—
Calcutta 9, 96, 123, 347, 387, 435, 478, 610, 662, 744, 783, 831, 872, 923, 1039
Rangoon 923
Italy—Naples 9, 30, 51, 124, 155, 184, 226, 264, 388, 437, 479, 524, 577, 617, 663, 701, 744, 783, 831, 872
Japan—Kobe 783
Mexico—
Ensenada 831
Frontera 924
Juarez 783
San Luis Potosi 185
Tabasco, State 831
Tampico 125, 185, 264, 348, 438
Peru—Salaverry 11, 525
Russia—Libau 12, 32, 53, 125, 228
Siam—Bangkok 985
Zanzibar—Zanzibar 32, 126, 349, 390, 526, 664, 831, 873, 1040
Smallpox on vessels:
Alamo, at Mobile Quarantine, Alabama 728
Cara, at Bridgetown, from Rio de Janeiro 181
Chiyo Maru, at Honolulu, from Yokohama 225
Dominion, Quebec Quarantine, from Liverpool (table) 1049
Kazembe, at Adelaide (table) 1048
Kiho Maru, at Honolulu, from Manzanillo 8, 95
Knight of the Garter, at Lyttleton, from Karotzu, Japan 227
Luceric, at Nagahama (table) 1050
Manavi, at Guayaquil (table) 1049
Mongolia, at Honolulu, from Yokohama 95
Shimosa, at Kobe 97
Siberia, at Yokohama 984
Winona, U. S. S., at Mobile, Ala 213
At Maskat, from a British naval vessel (table) 1048
Smallpox and vaccination in the Philippine Islands 277, 495
Smallpox and vaccination in Cuba 495
Smallpox; measures against introduction into United States from Mexico 829
Smyrna, Turkey:
Cholera 186, 301, 349, 664, 986, 1040
Quarantine against, resumed 1040
Somerville, Mass.: Milk; production, care, and sale 955
Southern Commercial Congress, section of health 241
Spitting, ordinance, Camden, N. J 412
Springfield, Mass:
Infectious diseases—Notification, placarding, isolation, disinfection 720
Milk—Production, care, and sale 850

Page.
Squirrels, plague-infected; campaign against, California 544
Stables:
Regulation of, Lynchburg, Va 638
Construction and maintenance, Seattle, Wash 898
Sulphur burner, report on an original form of 403
Sultana, steamship, at Suakin (table) 1045
Superior, Wis.; morbidity reports 677
Swarts, Dr. Gardner T., secretary State Board of Health, Rhode Island; leprosy and pellagra 961
Swatow, China:
Plague 576, 983
Smallpox 576, 983
Swill, refuse, and offal collection; Taunton, Mass 762
Sydney, Australia; examination of rats for plague infection 49, 181, 382, 520, 699

T.

Tabasco, State of, Mexico; smallpox 831
Tampa, Fla.: Ordinance, regulation of production, care, and sale of milk—Appointment of pure food inspectors 1008
Tampico, Mexico:
Smallpox 125, 185, 264, 348, 438
Malaria 185
Taunton, Mass.:
Contagious diseases 678
Swill, refuse, and offal collection 762
Privy vaults and cesspools 851
Tientsin, China; plague 94, 297
Toledo, Ohio:
Protection of food stuffs—fruits 760
Privies or water-closets 760
Trask, John W., Assistant Surgeon General:
Smallpox in the United States—prevalence and geographic distribution—
Year 1909 799
Year 1910 943
Trebizond; cholera 439
Trieste, Austria; cholera:
On steamship Saxonia 871
On steamship Oceania 1038
Trinidad, W. I.:
Plague 186, 348, 480, 618, 664, 703
Examination of rats 985, 1039
Sanitary conditions 1039
Tsingtau, China:
Precautions against plague 433
Smallpox 661
Tuberculosis in dairy cattle; ordinance for suppression, Washington, D. C. 638
Turkey: Quarantine against Bahrein 985
Typhoid fever:
Des Moines, Iowa, 1910 63
Ottawa, Canada 433, 475
Japan 31
Typhoid bacillus carriers: A review 313
Typhus fever:
China 743
Mexico—
Aguascalientes 1039
Chihuahua 985
Juarez 782
Mexico City 925
San Luis Obispo 985
On vessels—
Monterey, at Habana 299
Sardinian, at Grosse Isle quarantine, Canada 1038

V.

Page.

Vaccination, antityphoid, for beneficiaries of the Public Health and Marine Hospital Service 719
Vaccination and smallpox:
Canada—Quebec 743
Cuba 495
Philippine Islands 277, 495
Villoldo, P.; acting assistant surgeon; smallpox and vaccination in Cuba 495
Viruses, serums, and analogous products; establishments licensed for sale of 137

W.

Warsaw, Russia; outbreak of cholera in Province of Lublin 12
Washington, D. C.:
Milk—Suppression of tuberculosis in dairy cattle 638
Rabies—Prevention of 679
Poliomyelitis—Notification and isolation 896
Waterbury, Conn.:
Infectious diseases—
Control of 679
Protection of food stuffs—Fruits and vegetables 760
Milk, butter, and cheese 849
Winona, U. S. Revenue cutter, Mobile, Ala., smallpox 213

Y.

Yellow fever:
Weekly table 14, 33, 54, 99, 126, 157, 187, 228, 266, 302, 350, 391, 395, 439, 480, 527, 578, 665, 703, 749, 785, 832, 873, 927, 986, 1041
Cumulative table 35, 57, 102, 130, 161, 191, 232, 269, 306, 353, 443, 484, 530, 582, 623, 668, 790, 836, 877, 931, 991, 1045
Barbados 699, 871
Brazil—
Manaos 1038
Para 782, 983
British Gold Coast—Accra 871
Dominican Republic—Santiago de los Caballeros 523
Ecuador—
Bucay 1038
Duran 830
Guayaquil 8, 28, 123, 263, 345, 476, 662, 830, 984, 1038
Hacienda San Antonio 662
Milagro 830, 984, 1038
Naranjito 662, 830, 984
Gambia—Bathurst 871
Mexico—Frontera 872
Portuguese Guinea 785
Venezuela—
Caracas 12, 53, 126, 187, 302, 349, 526
La Guaira 228
On vessels—
Cearense, at Para 573
Marietta, U. S. S., at Puerto Cortez (not confirmed) 155
Opland, at Salina Cruz from Guatemalan ports 389
Yellow fever campaign, Ecuador 434
Yokohama, Japan; smallpox on steamship Siberia 984

Z.

Zanzibar:
Smallpox 32, 126, 349, 390, 526, 664, 831, 873, 1040
Examination of rats for plague infection 32, 126, 349, 390, 526, 664, 831, 873, 1040

○